

Conservation documentation

- Didactic material
 - based on teaching conservation students
 - target audience: conservators

Conservation documentation

- Didactic material
 - based on teaching conservation students
 - target audience: conservators
- Realisation of limitations
 - target audience: CRM-SIG



What is it?
(A summary)

Importance of documentation

- An account of what happened when conservators were involved
- A contribution to the collective knowledge in the profession

Importance of documentation

- An account of what happened when conservators were involved
- A contribution to the collective knowledge in the profession

when shared

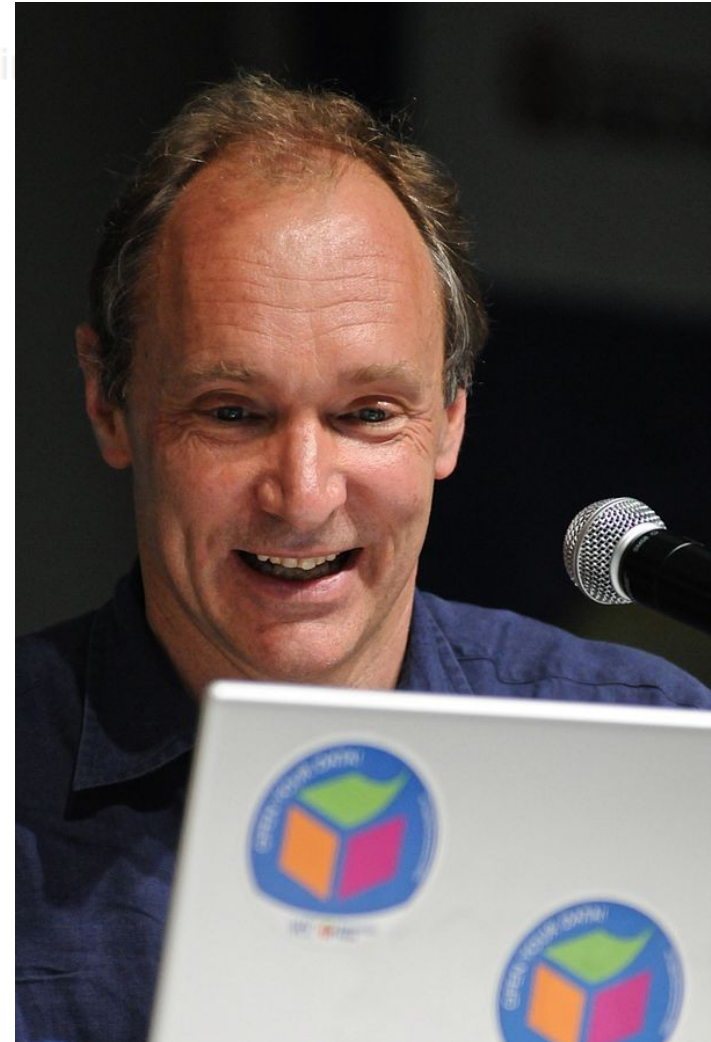
★ make your stuff available on the Web (whatever format) under an open license¹

★★ make it available as structured data (e.g., Excel instead of image scan of a table)²

★★★ use non-proprietary formats (e.g., CSV instead of Excel)³

★★★★ use URIs to denote things, so that people can point to them⁴

★★★★★ link your data to other data to provide context⁵



Types of documents

A close-up photograph of an antique book's binding. The image shows a metal chain, possibly made of brass or iron, draped over the spine and pages. The spine is made of dark wood, and the pages are aged and yellowed. The background is dark, making the book stand out.

- Technology
 - How was an object made
 - Events which led to the current structure and material composition of the object
 - Identification of components

Types of documents

- Technology
- Condition
 - What is the condition state of an object?
 - Condition types associated with object parts



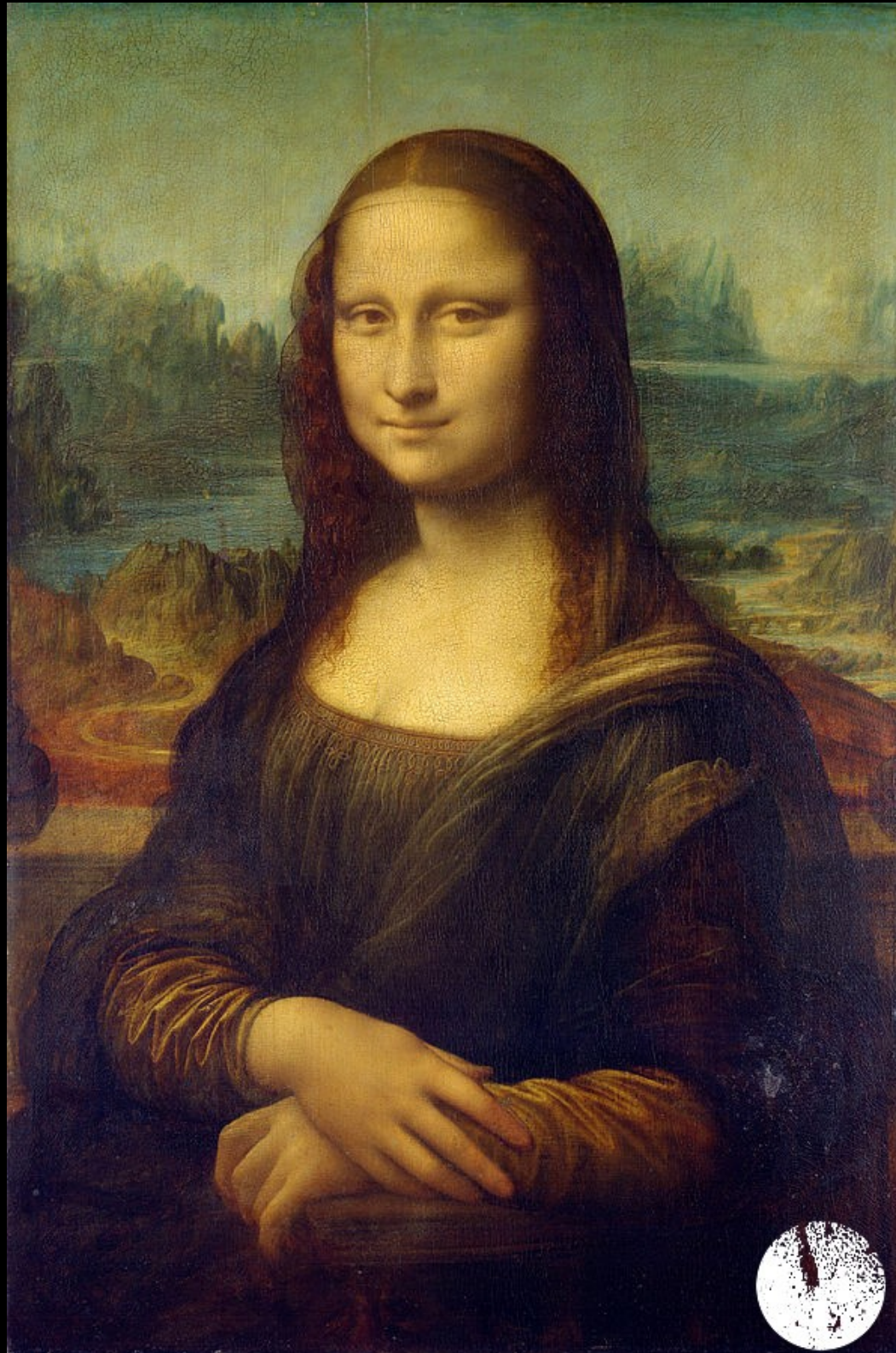
Types of documents

- Technology
- Condition
- Value
 - What are the values of the object for specific audiences?

Types of documents

- Technology
- Condition
- Value
 - What are the values of the object for specific audiences?
 - Has condition affected these values?





Types of documents

- Technology
- Condition
- Value
 - What are the values of the object for specific audiences?
 - Has condition affected these values?
 - Special cases:
 - sacred objects, (e.g. object cannot leave a space)
 - traditions (e.g. object cannot be handled by a non-member of a group)

Types of documents

- Technology
- Condition
- Value
- **Proposed treatment**
 - Objectives and plans for treatment
 - What would we like to happen?
 - Each objective/plan associated with a condition

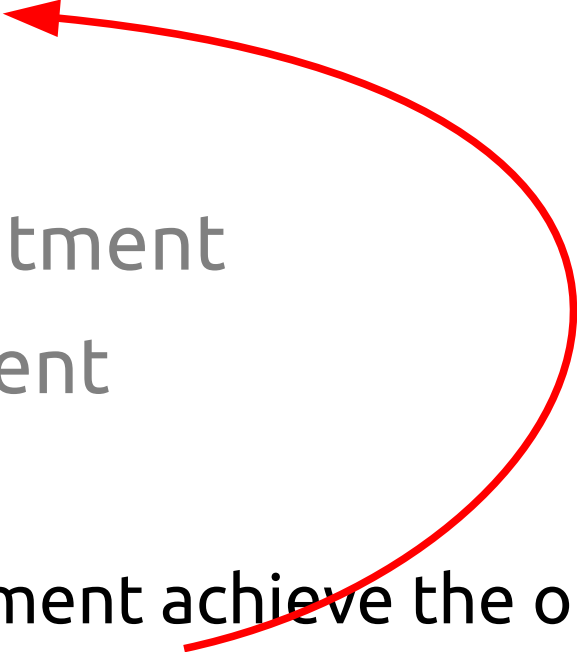
Types of documents

- Technology
- Condition
- Value
- Proposed treatment
- **Actual treatment**
 - What was the treatment which took place?

Types of documents

- Technology
- Condition
- Value
- Proposed treatment
- Actual treatment
- **Assessment**
 - Did the treatment achieve the objectives?
 - Condition state

Types of documents

- Technology
 - Condition
 - Value
 - Proposed treatment
 - Actual treatment
 - **Assessment**
 - Did the treatment achieve the objectives?
 - Condition state
- 

Documents may include

- Purpose of document
 - notes on why the work was done

Documents may include

- Purpose of document
- Observations
 - actions to inspect the object
 - sampling (object modification)
 - positive negative
 - description of methods of inspection
 - analytical techniques used
 - naked eye inspection

Naked eye + instruments

- Recording situation - uncertainty
 - Conditions under which the document was created
 - type of light (e.g. too dark, from 700nm to 1000nm)
 - location/scale of the object (e.g. too far to see, microscope magnification 25×)
 - accessibility of the observed matter (e.g. painting inside a frame, sample does not contain preparation layer)



Documents may include

Editorial 5

Daria Keynan, Julie Barten and Elizabeth Estabrook
Installation methods for Robert Ryman's wall-mounted works 7

Susan Catcher
Conservation of a nineteenth-century set design by Clarkson Stanfield 17

Georgios Boudalis
Endbands in Greek-style binding 29

Shorter notices

Claudia Benvestito
Venice in pieces: Preservation and display of a pieced and folded woodcut 51

Jana Dvořáková
The Prague floods of 2002 59

Book reviews

Thea Burns 63

Sonja Schwoil 66

• Purpose of document

• Observations

• Existing knowledge

- previous records
- textbooks/manuals
- expert opinions



The Paper Conservator

Volume 31 • 2007

Documents may include

- Purpose of document
- Observations
- Existing knowledge
- **Supporting statements**
 - by the conservator using evidence to make conclusions (e.g. results of FTIR confirm a pigment based on previous FTIR results)



The problem of free text

Free-text records

The binding has an unsupported sewing structure, using four stations, with wooden boards attached to the sewn bookblock by means of sewing thread only; a textile spine lining extending onto the outer face of the boards; endbands sewn to the bookblock and the head and tail edges of the boards; and metal bosses and triple interlaced leather clasp-straps laced through the right board with metal rings that fit over edge pins on the left board.

Honey, A., and N. Pickwood. 2010. 'Learning from the Past: Using Original Techniques to Conserve a Twelfth-century Illuminated Manuscript and Its Sixteenth-century Greek-style Binding at the Monastery of St Catherine, Sinai'. In *Conservation and the Eastern Mediterranean: Contributions to the Istanbul Congress 20-24 September 2010*, ed. C. Rozeik, R. Ashok, and D. Saunders, 56–61. Istanbul, Turkey: International Institute for Conservation of Historic and Artistic Works.

Free-text records

- Requirements
 - Read/write English (grammar)

Free-text records

- Requirements
 - Read/write English (grammar)
 - Understand terminology

Free-text records

- Requirements
 - Read/write English (grammar)
 - Understand terminology
 - Time



Calais: Connect. Everything.

We want to make all the world's content more accessible, interoperable and valuable. Some call it Web 2.0, Web 3.0, the Semantic Web or the Giant Global Graph - we call our piece of it Calais.

Calais is a rapidly growing toolkit of capabilities that allow you to readily incorporate state-of-the-art semantic functionality within your blog, content management system, website or application.

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Latest News

[Calais 4.6 is Available for Beta Testing](#)

Politics, Conflict and housekeeping - quite a combination!

[Spring Cleaning and Some Touch-ups](#)

It's time for spring cleaning and a few new features for OpenCalais

[Looking for Thomson Reuters Clients \(huh?\)](#)

Thomson Reuters clients - tell us who you are

Featured Application



[CBS Interactive/CNET](#)

uses OpenCalais for semantic analysis of its tech product reviews, award-winning news, and blog postings on consumer electronics and technology, where it streamlines CNET's content operations, drive audience engagement, and further extends CNET's reach across the Web. Read about CNET's pioneering work in this [ReadWriteWeb article](#).

To read more about the pioneering work of entrepreneurs, publishers and developers using OpenCalais, visit our [partner page](#).

Calais and You

Choose one of the user types below to see what you can do with Calais.

- [Publisher](#)
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For a demonstration of Calais capabilities, visit the [Document Viewer](#).



The Calais initiative is about enabling semantic applications by providing a metadata generation web service, sample applications using that service to jumpstart development efforts, and support for developers.

The Calais Web Service

The Calais web service automatically attaches rich semantic metadata to the content you submit. Using natural language processing, machine learning and other methods, Calais categorizes and links your document with entities (people, places, organizations, etc.), facts (person "x" works for company "y"), and events (person "z" was appointed chairman of company "y" on date "x").

* The Calais Viewer works with Firefox and Internet Explorer - other browsers may yield unpredictable results

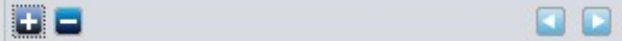
Enter text here:

The binding has an unsupported sewing structure, using four stations, with wooden boards attached to the sewn bookblock by means of sewing thread only; a textile spine lining extending onto the outer face of the boards; endbands sewn to the bookblock and the head and tail edges of the boards; and metal bosses and triple interlaced leather clasp-straps laced through the right board with metal rings that fit over edge pins on the left board.

Submit

Show RDF

Entry Page



Topics:

Hospitality Recreation 98%

Social Tags:

- Hospitality Recreation
- Book publishing ★★★★★
- Bookbinding ★★★★★
- Book design ★★★★★
- Sewing ★★★★★
- Book ★★★★★
- Printing ★★★★★
- Graphic design ★★★★★

Entities:

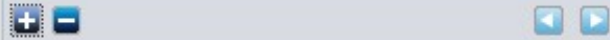
- Industry Term
- metal rings

The binding has an unsupported sewing structure, using four stations, with wooden boards attached to the sewn bookblock; the lining extending onto the outer face of the boards; endbands sewn to the bookblock and the head and tail edges of the boards; other clasp-straps laced through the right board with metal rings that fit over edge pins on the left board.

Hospitality?

Show RDF

Entry Page



Topics:

Hospitality Recreation 98%

Social Tags:

Hospitality Recreation ★★★★★

Book publishing ★★★★★

Bookbinding ★★★★★

Book design ★★★★★

Sewing ★★★★☆

Book ★★★☆☆

Printing ★★★☆☆

Graphic design ★★★☆☆

Entities:



Industry Term

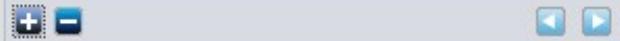
metal rings

The binding has an unsupported sewing structure, using four stations, with wooden boards attached to the sewn bookblock and a lining extending onto the outer face of the boards; endbands sewn to the bookblock and the head and tail edges of the text block; other clasp-straps laced through the right board with metal rings that fit over edge pins on the left board.

Industry?

Show RDF

Entry Page



Topics:

Hospitality Recreation 98%

Social Tags:

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- Bookbinding ★★★★★
- Book design ★★★★★
- Sewing ★★★★★
- Book
- Printing
- Graphic design ★

Entities:

Industry Term

metal rings

The binding has an unsupported sewing structure, using four stations, with wooden boards attached to the sewn bookblock and a lining extending onto the outer face of the boards; endbands sewn to the bookblock and the head and tail edges of the boards; other clasp-straps laced through the right board with metal rings that fit over edge pins on the left board.

Social tags
Word matching

Free-text records

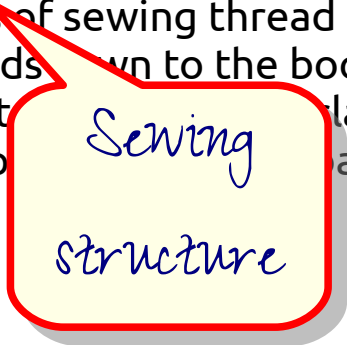
- Requirements
 - Read/write English (grammar)
 - Understand terminology
 - Time
 - Meaning is difficult to extract

Structured records

- Limitations:
 - Read/write English (grammar)
 - Understand terminology
- Alternatives:
 - Avoid syntax

Structured records

The binding has an unsupported sewing structure, using four stations, with wooden boards attached to the sewn bookblock by means of sewing thread only; a textile spine lining extending onto the outer face of the boards; endbands sewn to the bookblock and the head and tail edges of the boards; and metal bosses and triple interlocking clasps laced through the right board with metal rings that fit over edge pieces of the left board.



Sewing
structure

Structured records

The binding has an unsupported sewing structure, using four stations, with wooden boards attached to the sewn bookblock by means of sewing thread only; a textile spine lining extending onto the outer face of the boards; endbands sewn to the bookblock at the head and tail edges of the boards; and metal bosses and triple interlaced leather clasp-structure on the right board with metal rings that fit over edge pins on the left board.



stations

Structured records

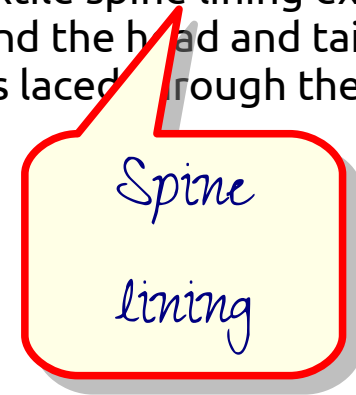
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boards

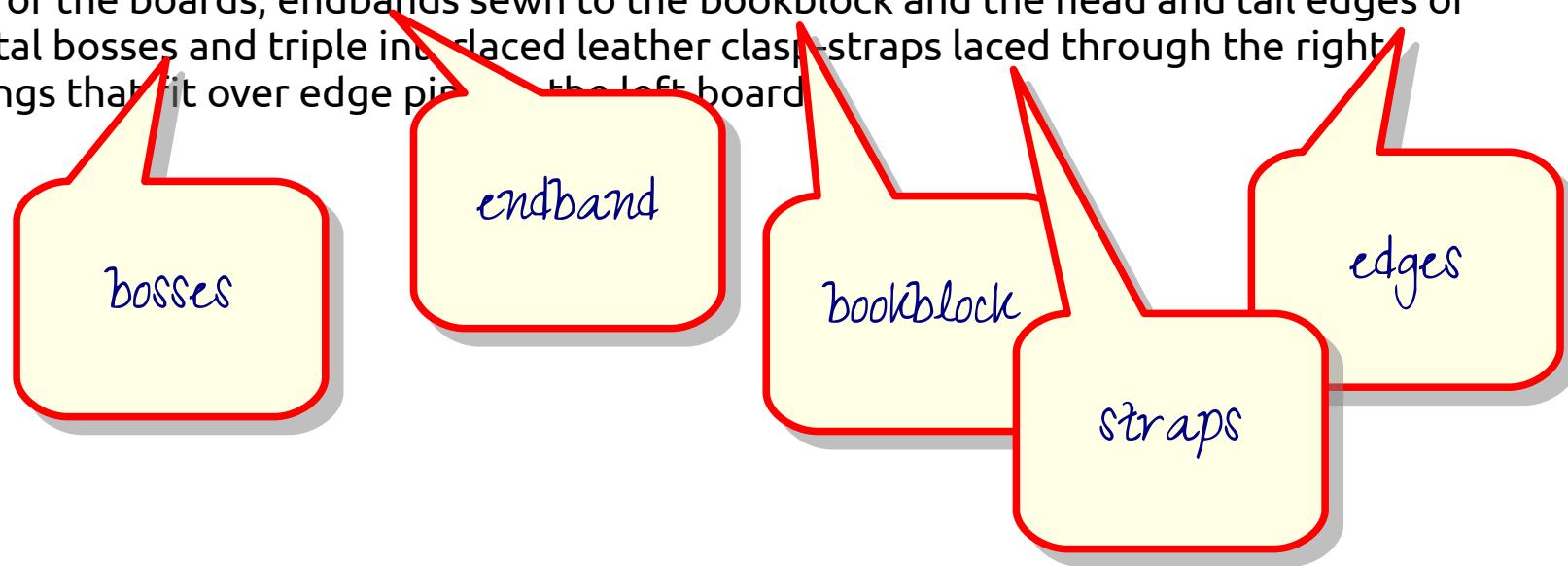
Structured records

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structures	boards	linings	endbands	bosses
type	material	material	attachment	material
sewn	wood	textile	sewn	metal
stations	paper	paper	type	type
supported	attachment	size	...	...
unsupported	sewn	extended	...	...

Structured records

structures	
type	stations
sewn	supported
adhesive	unsupported



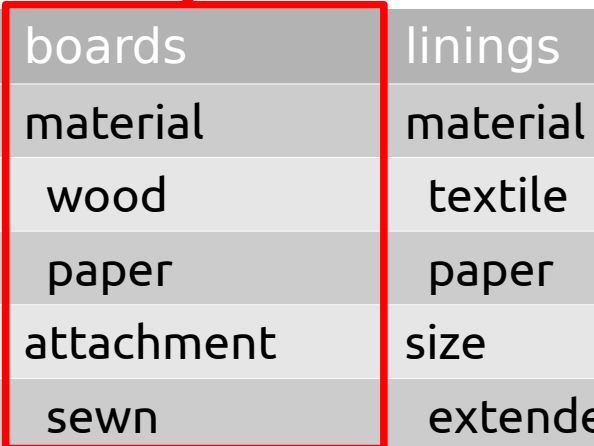
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type	material	material	attachment	material
sewn	wood	textile	sewn	metal
stations	paper	paper	type	type
supported	attachment	size	...	...
unsupported	sewn	extended	...	...

Structured records

structures	
type	stations
sewn	supported
adhesive	unsupported

boards	
material	attachment
wood	sewn
paper	slips

structures	boards	linings	endbands	bosses
type	material	material	attachment	material
sewn	wood	textile	sewn	metal
stations	paper	paper	type	type
supported	attachment	size	...	...
unsupported	sewn	extended	...	...



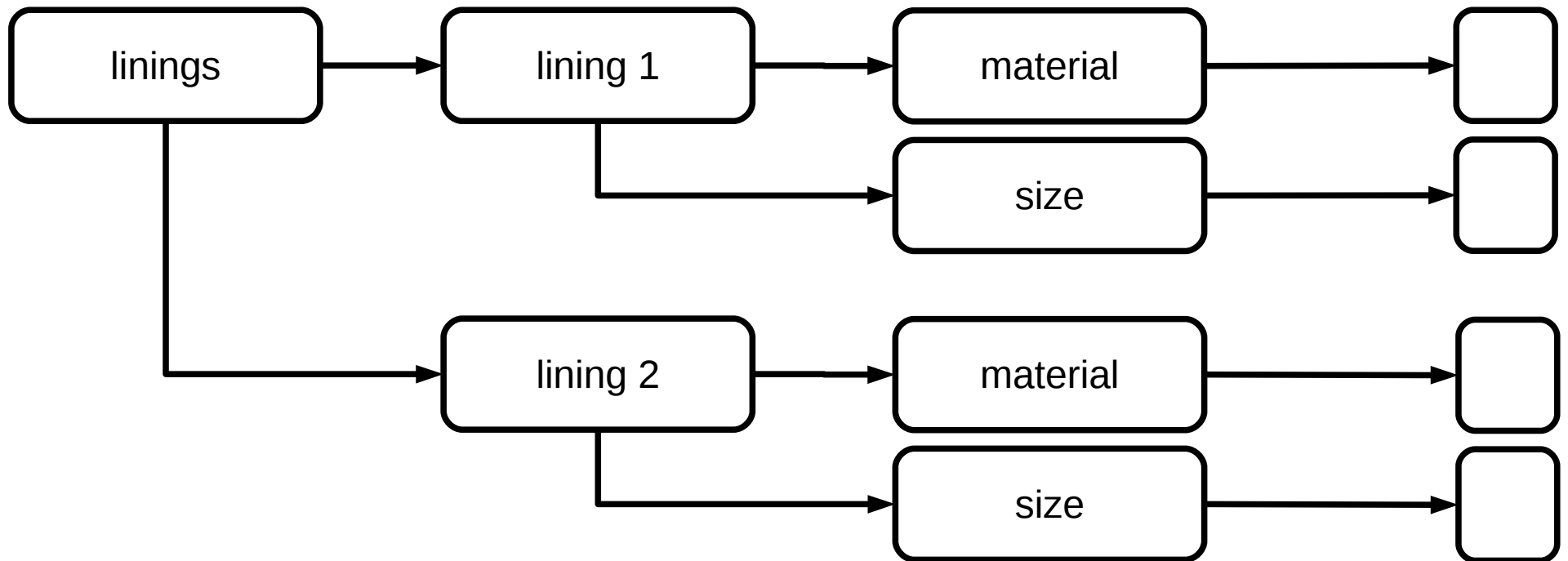
Structured records

structures		
book no	type	stations
book 1	sewn	supported
book 2	sewn	unsupported
book 3	adhesive	unsupported
book 4	sewn	supported
book 5	sewn	unsupported
.	.	.
.	.	.
.	.	.

boards		
book no	material	attachmen t
book 1	wood	slips
book 2	wood	sewn
book 3	paper	adhesive
book 4	paper	slips
book 5	wood	sewn
.	.	.
.	.	.
.	.	.

Structured records

structures	boards	linings	endbands	bosses
type	material	material	attachment	material
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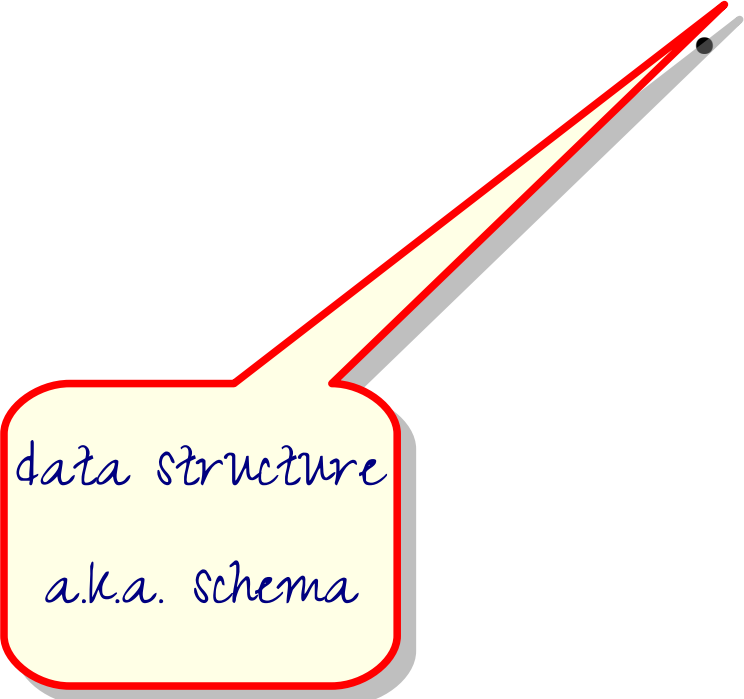
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★★★★★ link your data to other data to provide context⁵

Structured records

- Limitations:
 - Read/write English (grammar)
- Alternatives:
 - Avoid syntax:
 - Tabular structure
 - Hierarchical structure



*data structure
a.k.a. schema*

Structured records

- Limitations:
 - Read/write English (grammar)
 - Understand terminology
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 - Avoid syntax:
 - Tabular structure
 - Hierarchical structure
 - Agree on terms:

Thesaurus

- Consult a thesaurus for your terms

Thesaurus

- Consult a thesaurus for your terms, e.g.:



Art & Architecture Thesaurus® Online



Getty Thesaurus of Geographic Names® Online



Union List of Artist Names® Online



Cultural Objects Name Authority™ Online

With conservation terms from GCI, including brand names for materials.

AAT Thesaurus

headbands (binding components)

Note: Functional or ornamental bands of flexible material sewn or adhered to the back of a book's text block at head and tail, projecting slightly above and below the text block.

Terms:

headbands (binding components) (preferred,C,U,LC,English-P,D,U,PN)

headband (binding component) (C,U,English,AD,U,SN)

endbands (C,U,English,UF,U,N)

head bands (binding components) (C,U,English,UF,U,N)

kapitalen (boekbandonderdelen) (C,U,Dutch-P,D,U,U)

kapitaal (boekbandonderdeel) (C,U,Dutch,AD,U,U)

tranchefiles (C,U,French-P,D,U,PN)

tranchefile (C,U,French,AD,U,SN)

Objects Facet

.... Components (Hierarchy Name) (G)

..... components (objects) (G)

..... <components by specific context> (G)

..... <information form components> (G)

..... <gathered matter components> (G)

..... <bindings and binding components> (G)

..... <binding components> (G)

..... headbands (binding components) (G)

Related concepts:

...headbanding

Sources and Contributors:

endbands..... [VP]

..... Binding Terms (1988)

..... Roberts and Etherington, Bookbinding and the Conservation of Books (1982)

headband (binding component)..... [VP]

..... Getty Vocabulary Program rules

headbands (binding components)..... [VP Preferred]

..... Binding Terms (1988) headbands

..... Candidate term Candidate comment – HRC – 6/96

..... CDMARC Subjects: LCSH (1988-) headbands (bookbinding)

..... Getty Vocabulary Program rules

..... Glaister, History of the Book (1960) 176; headbands

..... Greenfield, Books (1983) 5; headbands

..... Harrod's Librarians' Glossary (1984) headbands

..... Lee, Bookmaking (1979) Bits of colored cloth that protrude slightly at the back on top and bottom; headbands

..... Middleton, Restoration of Leather Bindings (1984) illustration, 108; headbands

..... Roberts and Etherington, Bookbinding and the Conservation of Books (1982) illustration; headbands

..... Tauber, Library Binding Manual (1972) 123; headbands

head bands (binding components)..... [VP]

..... Pierpont Morgan Library Word List (1990)

Terms

Context

Related

References

Thesaurus: headbands: concept

headbands (binding components)

Note: Functional or ornamental bands of flexible material sewn or adhered to the back of a book's text block at head and tail, projecting slightly above and below the text block.

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tranchefile (C,U,French,AD,U,SN)

Thesaurus: headbands: definition

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Note: Functional or ornamental bands of flexible material sewn or adhered to the back of a book's text block at head and tail, projecting slightly above and below the text block.

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tranchefiles (C,U,French-P,D,U,PN)

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Scope note

Thesaurus: headbands: label

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“Now! *That* should clear up a few things around here!”

headbands (binding components)

Source: <http://vocab.getty.edu/aat/300195163>

Subject (100) Predicate Object All

Website | Hierarchy | Download in: JSON | JSONLD | RDF | N3/Turtle | N-Triples

Inference

Statements in which the resource exists as a subject.

Predicate	Object
rdf:type	gvp:Concept
rdfs:seeAlso	http://www.getty.edu/vow/AATFullDisplay?find=&logic=AND&note=&subjectid=300195163
dcterms:created	1991-07-23T00:00:00
dcterms:modified	1996-09-14T00:00:00, 2001-07-26T22:01:40, 2001-07-26T22:15:12, 2001-07-26T22:29:32, 2007-01-31T15:47:23, 2007-07-06T16:20:36, 2007-10-26T09:05:26, 2007-10-26T09:05:49, 2008-01-03T10:23:50, 2010-04-23T06:00:38, 2010-04-23T06:00:39, 2011-01-07T12:58:45, 2011-01-07T12:58:47, 2012-03-16T14:11:18, 2014-08-01T08:30:52, 2014-08-01T08:30:53
skos:changeNote	aat_rev:5000038862 , aat_rev:5000038863 , aat_rev:5000038864 , aat_rev:5000038865 , aat_rev:5001103489 , aat_rev:5001103490 , aat_rev:5001103491 , aat_rev:5001103492 , aat_rev:5001103493 , aat_rev:5001175126 , aat_rev:5001175127 , aat_rev:5001310612 , aat_rev:5001602293 , aat_rev:5001670501 , aat_rev:5001670502 , aat_rev:5001670503 , aat_rev:5001683379 , aat_rev:5001683380 , aat_rev:5001686341 , aat_rev:5001700535 , aat_rev:5001700536 , aat_rev:5002484741 , aat_rev:5002484742 , aat_rev:5002484743 , aat_rev:5002484756 , aat_rev:5002659497 , aat_rev:5002659498 , aat_rev:5002659512 , aat_rev:5003178095 , aat_rev:5003667097 , aat_rev:5003667098 , aat_rev:5003667099 , aat_rev:5003667100 , aat_rev:5003667101 , aat_rev:5003667102 , aat_rev:5003667126
gvp:parentString	binding components, <bindings and binding components>, gathered matter components, information form components, <components by specific context>, components (objects parts), Components (hierarchy name), Objects Facet
gvp:parentStringAbbrev	binding components, <bindings and binding components>, ... Objects Facet
gvp:displayOrder	16
xl:prefLabel	aat_term:1000195163-en , aat_term:1000315661-fr , aat_term:1000444069-es , aat_term:1000497758-nl , aat_term:1000591536-zh-Hant , aat_term:1000591539-zh-Latn-pinyin-x-notone , aat_term:1000591540-zh-Latn-pinyin-x-hanyu , aat_term:1000591541-zh-Latn-wadegile

Structured records

- Limitations:
 - Read/write English (grammar)
 - Understand terminology
- Alternatives:
 - Avoid syntax:
 - Tabular structure
 - Hierarchical structure
 - Agree on terms:
 - agree on scope notes
 - use URIs instead of labels



The problem of integration

« Return « Previous record Next record » New search »

ProBok id: 243

Bibliographic information 1

Protokol ved høiselig Prinds Gustav, Hertug af Uplands liigaabning paa det kongelige slot ved Christiania d. 25. Sept. 1852.

[S.l.] [s.n.] [1852]

Printing year: 1852

Uppsala universitet, Uppsala Universitet, Uppsala Universitet, Uppsala Universitet

Norge

Libris »

Bookbinding description

ORIGIN

Geographical origin: Norway

Date: contemporary binding, 1852-

BINDING

Size: 204 x 135 x 5

Binding form: European binding, full binding, smooth spine

Binding technique: case binding (adhesive case), sewn without supports

Cover: black velvet

Board material: paper board

Bookblock edges: silvered at all edges

Endleaves: bookcloth, brocade, silvercoloured

BINDING DECORATION

Decoration technique and material:

silver-tooled; small hand tool, straight-line tool

Form:

standard decoration; border line ornamentat/de ramverk, centrepiece

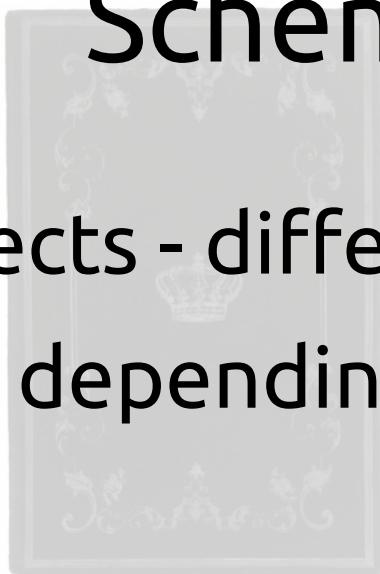
Ornament and motif:

crown, rose, acanthus volute, bladverk, lambrequin

Decorative style: Neo-Rococo

Schemas

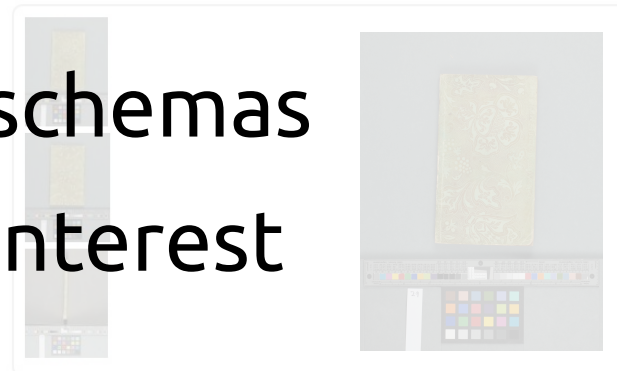
- different projects - different schemas
- different data depending on interest



Paper:

paper - 98

Submitted by Aurelie Martin on Thu, 12/17/2015 - 09:40



Type of decorated paper: [brocade paper](#), [Brokatpapier](#)

Features:

feature - 94

Submitted by Aurelie Martin on Thu, 12/17/2015 - 09:35

Decoration by format: [in-the-sheet decoration](#)

Decoration by number of colours: [single-coloured](#)

Colours: [green \(color\)](#)

Paper production:

paper production - 96

Submitted by Aurelie Martin on Thu, 12/17/2015 - 09:37

Technique: [surface-colouring \(techniques\)](#)
[metal-leaf embossing](#)

Tool: [relief printing plates](#)
[positive cut](#)

Place: [place - 95 \(Augsbourg\)](#)

Submitted by Aurelie Martin on Thu, 12/17/2015 - 09:36

Place name: [Augsbourg](#)

Maker: [Johann Michael](#)

« Return « Previous record Next record » New search »

ProBok id: 243

Bibliographic information 1

Protokol ved høiselig Prinds Gustav, Hertug af Uplands liigaabning paa det kongelige slot ved Christiania d. 25. Sept. 1852.

[S.l.] [s.n.] [1852]

Printing year: 1852

Uppsala universitetsbibliotek: Kulturarvet Uka Bokband 1800-t.

Norge 11

[Libris »](#)

Bookbinding description

ORIGIN

Geographical origin: Norway

Date: contemporary binding, 1852-

BINDING

Size: 204 x 135 x 5

Binding form: European binding, full binding, smooth spine

Binding technique: case binding (adhesive case), sewn without supports

Cover: black velvet

Board material: paper board

Bookblock edges: silvered at all edges

Endleaves: bookcloth, brocade, silvercoloured

BINDING DECORATION

Decoration technique and material:

silver-tooled; small hand tool, straight-line tool

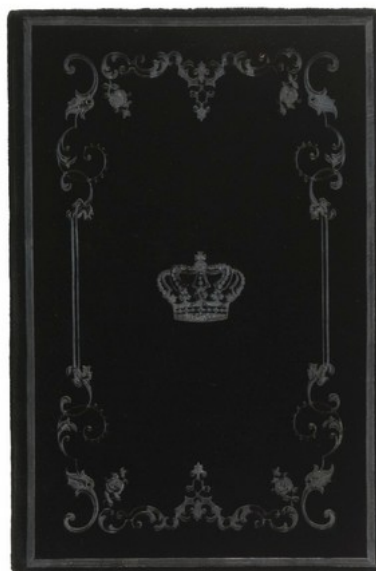
Form:

standard decoration; border line ornamenterat/de ramverk, centrepiece

Ornament and motif:

crown, rose, acanthus volute, bladverk, lambrequin

Decorative style: Neo-Rococo



Paper:

[paper - 98](#)

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Place: [place - 95 \(Augsbourg\)](#)

Submitted by Aurelie Martin on Thu, 12/17/2015 - 09:36

Place name: [Augsbourg](#)

Maker: [Johann Michael](#)

Schemas

Model no1

- BINDING
 - Size: 204 x 135 x 5
 - Binding form: European binding, full binding, smooth spine
 - Binding technique: case binding (adhesive case), sewn without supports
 - Cover: black velvet
 - Board material: paper board
 - Bookblock edges: silvered at all edges
 - Endleaves: bookcloth, brocade, silvercoloured
- BINDING DECORATION
 - Decoration technique and material:
 - silver-tooled; small hand tool, straight-line tool
 - Form:
 - standard decoration; border line ornamentat/de ramverk, centrepiece
 - Ornament and motif:
 - crown, rose, acanthus volute, bladverk, lambrequin
 - Decorative style: Neo-Rococo

Model no2

- Type of decorated paper:
 - brocade paper,
 - Brokatpapier
- Decoration by format: in-the-sheet decoration
- Decoration by number of colours: single-coloured
- Colours: green (color)
- Technique:
 - surface-colouring (techniques),
 - metal-leaf embossing
- Tool:
 - relief printing plates,
 - positive cut
- Place name: Augsbourg
- Maker: Johann Michael
- Carrier type: books
- Printing title:
 - Chur=Cölnischer Hof=Calendar Auf das Schalt=Jahr nach unseres Erlösers und Seeligmachers Jesu Christi Gnaden...
- Date: 1756
- Place: Bonn

Schemas

Model no1

- BINDING
 - Size: 204 x 135 x 5
 - Binding form: European binding, full binding, smooth spine
 - Binding technique: case binding (adhesive case), sewn without supports
 - Cover: black velvet
 - Board material: paper board
 - Bookblock edges: silvered at all edges
 - Endleaves: bookcloth, brocade, silvercoloured
- BINDING DECORATION(?)
 - Decoration technique and material:
 - silver-tooled; small hand tool, straight-line tool
 - Form:
 - standard decoration; border line ornamentat/de ramverk, centrepiece
 - Ornament and motif:
 - crown, rose, acanthus volute, bladverk, lambrequin
 - Decorative style: Neo-Rococo

Model no2

- Type of **decorated paper**:
 - brocade paper,
 - Brokatpapier
- Decoration by format: in-the-sheet decoration
- Decoration by number of colours: single-coloured
- Colours: green (color)
- Technique:
 - surface-colouring (techniques),
 - metal-leaf embossing
- Tool:
 - relief printing plates,
 - positive cut
- Place name: Augsburg
- Maker: Johann Michael
- Carrier type: books
- Printing title:
 - Chur=Cölnischer Hof=Calendar Auf das Schalt=Jahr nach unseres Erlösers und Seeligmachers Jesu Christi Gnaden...
- Date: 1756
- Place: Bonn

Schemas

Model no1

- BINDING
 - Size: 204 x 135 x 5
 - Binding form: European binding, full binding, smooth spine
 - Binding technique: case binding (adhesive case), sewn without supports
 - Cover: black velvet
 - Board material: paper board
 - Bookblock edges: silvered at all edges
 - Endleaves: bookcloth, **brocade, silvercoloured**
- BINDING DECORATION
 - Decoration technique and material:
 - silver-tooled; small hand tool, straight-line tool
 - Form:
 - standard decoration; border line ornamented/de ramverk, centrepiece
 - Ornament and motif:
 - crown, rose, acanthus volute, bladverk, lambrequin
 - Decorative style: Neo-Rococo

Model no2

- Type of **decorated paper**:
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- Decoration by format: in-the-sheet decoration
- Decoration by number of colours: single-coloured
- Colours: green (color)
- Technique:
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 - metal-leaf embossing
- Tool:
 - relief printing plates,
 - positive cut
- Place name: Augsburg
- Maker: Johann Michael
- Carrier type: books
- Printing title:
 - Chur=Cölnischer Hof=Calendar Auf das Schalt=Jahr nach unseres Erlösers und Seeligmachers Jesu Christi Gnaden...
- Date: 1756
- Place: Bonn

Knowledge representation

- Search across schemas/resources
 - More abstract model for representing schemas
 - Endleaves: bookcloth, brocade, silvercoloured
 - Type of decorated paper: brocade paper, Brokatpapier

Knowledge representation

- Search across schemas/resources
 - More abstract model for representing schemas
- Identify the *class*
 - ProBok endleaves:
 - Objects → Book components → Endleaves
 - Ligatus decorated papers:
 - Objects → Book components

Knowledge representation

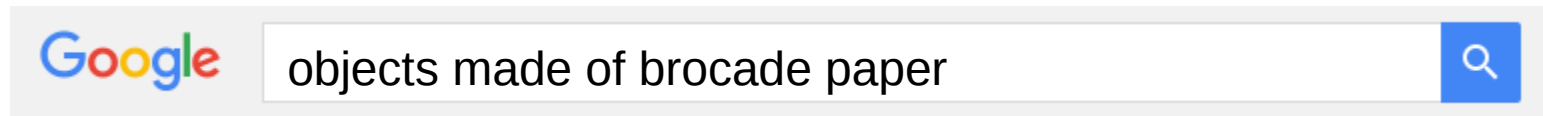
- Search across schemas/resources
 - More abstract model for representing schemas
- Identify the *class*
 - ProBok endleaves:
 - Objects → Book components → Endleaves
 - Ligatus decorated papers:
 - Objects → Book components

made of:
brocade

made of:
brocade

Knowledge representation

- ProBok endleaves:
 - Objects → Book components → Endleaves
- Ligatus decorated papers:
 - Objects → Book components



Low precision - high recall

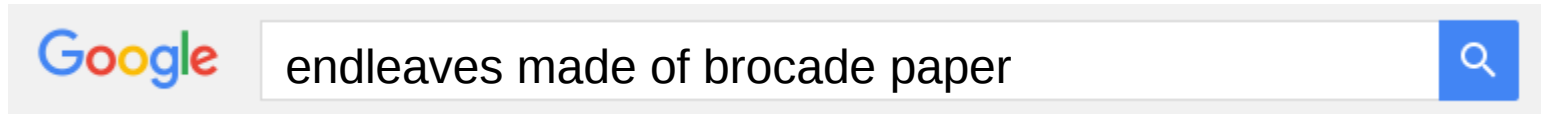
Class: *Objects*

- ProBok endleaves:
 - Objects → Book components → Endleaves
- Ligatus decorated papers:
 - Objects → Book components

Gets all results including boxes, chests, furniture

Knowledge representation

- ProBok endleaves:
 - ~~Objects~~ → ~~Book components~~ → **Endleaves**
- Ligatus decorated papers:
 - ~~Objects~~ → ~~Book components~~



High precision - low recall

Sub-sub-class: *Endleaves*

- ProBok endleaves:
 - ~~Objects~~ → ~~Book components~~ → Endleaves
- Ligatus decorated papers:
 - ~~Objects~~ → ~~Book components~~

misses Ligatus
results

gets ProBok
results

Knowledge representation

- ProBok endleaves:
 - ~~Objects~~ → **Book components** → **Endleaves**
- Ligatus decorated papers:
 - ~~Objects~~ → **Book components**

Google

book components made of brocade paper



High precision - lower recall

Sub-class: *Components*

- ProBok endleaves:
 - ~~Objects~~ → Book components → Endleaves
- Ligatus decorated papers:
 - ~~Objects~~ → Book components

gets Ligatus
results

gets ProBok
results

Shared property

- Searching is possible because of the shared property
 - Book component:
 - has material
 - Endleaf:
 - has material
 - Object:
 - has material

Other shared properties

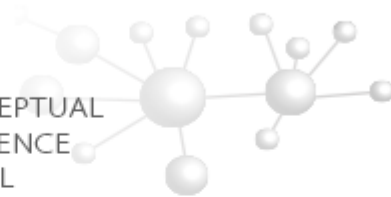
- has material: e.g. brocade paper
- made by: e.g. Sandy Cockerell
- of size: e.g. 30cm×20cm
- has colour: e.g. red, green, blue
- has location: e.g. London

Other shared properties

- has material: e.g. brocade paper
- made by: e.g. Sandy Cockerell
- of size: e.g. 30cm×20cm
- has colour: e.g. red, green, blue
- has location: e.g. London
- has pastedown (?): e.g. overall
 - not applicable to all components or objects

Other shared properties

- has material: e.g. brocade paper
- made by: e.g. Sandy Cockerell
- of size: e.g. 30cm×20cm
- has colour: e.g. red, green, blue
- has location: e.g. London
- has pasted down (?): e.g. overall
 - not applicable to all components or objects



What's New?

[Meeting on 24 - 26 February, 2016](#)

[International Journal on Digital Librari...](#)

[New version of the CRMgeo \(version 1.2\)...](#)

Choose a shortcut:

[Last official release](#)

[Current version](#)

[CIDOC CRM Tutorial](#)

[CIDOC CRM Web site design related documents](#)

[Compatible models & Collaborations](#) »

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Home

What is the CIDOC CRM?

The **CIDOC Conceptual Reference Model (CRM)** provides definitions and a formal structure for describing the implicit and explicit concepts and relationships used in cultural heritage documentation.

The **CIDOC CRM** is intended to promote a shared understanding of cultural heritage information by providing a common and extensible semantic framework that any cultural heritage information can be mapped to. It is intended to be a common language for domain experts and implementers to formulate requirements for information systems and to serve as a guide for good practice of conceptual modelling. In this way, it can provide the "semantic glue" needed to mediate between different sources of cultural heritage information, such as that published by museums, libraries and archives.

The **CIDOC CRM** is the culmination of over 10 years work by the **CIDOC Documentation Standards Working Group** and **CIDOC CRM SIG** which are working groups of **CIDOC**. Since 9/12/2006 it is official standard **ISO 21127:2006**.

Who we are

Over many years, **CIDOC** and the CIDOC Documentation Standards Working Group (DSWG) have engaged in the creation of a general data model for museums, with a particular focus on information interchange. Until 1994 the product of these activities had been the CIDOC Relational Data Model. In the interim meeting in March 1996 in Crete, the DSWG decided to engage in an object-oriented approach in order to benefit from its expressive power and extensibility for dealing with the necessary diversity and complexity of data structures in the domain. This effort resulted in 1999 in the first complete edition of the "*CIDOC Conceptual Reference Model*" (*CRM*), a product of the intensive voluntary work of a variety of contributors. In order to exploit fully the potential of the CRM as a means of enabling information interchange and integration in the museum community and beyond, CIDOC decided in **London 1999** to submit the CRM to ISO for standardization. ISO, in contrast to CIDOC, has the procedures and authority to create and declare well-defined, valid editions of international recommendations. (The CIDOC CRM has been accepted as working draft by **ISO/TC46/SC4** in September 2000. Since 9/12/2006 it is official standard **ISO 21127:2006**.)

CIDOC-CRM

- Formal entities (classes and sub-classes)
- Formal properties (and sub-properties)

CIDOC-CRM

Scope note:

This class comprises physical objects purposely created by human activity.

No assumptions are made as to the extent of modification required to justify regarding an object as man-made. For example, an inscribed piece of rock or a preserved butterfly are both regarded as instances of E22 Man-Made Object.

Examples:

Mallard (the World's fastest steam engine)
the Portland Vase
the Coliseum

E22 Man-Made Object

CIDOC-CRM

hang on,
no properties?

Scope note:

This class comprises objects purposely created by human activity.

No assumptions are made as to the extent of modification required to justify regarding an object as man-made. For example, an inscribed piece of rock or a preserved butterfly are both regarded as instances of E22 Man-Made Object.

Examples:

Mallard (the World's fastest steam engine)
the Portland Vase
the Coliseum

E22 Man-Made Object

CIDOC-CRM

Scope Note:

This class comprises all persistent physical items that are purposely created by human activity.

This class comprises man-made objects, such as a swords, and man-made features, such as rock art. No assumptions are made as to the extent of modification required to justify regarding an object as man-made. For example, a "cup and ring" carving on bedrock is regarded as instance of E24 Physical Man-Made Thing.

Examples:

the Forth Railway Bridge (E22)

the Channel Tunnel (E25)

the Historical Collection of the Museum Benaki in Athens (E78)

E24 Physical Man-Made Thing

P62 depicts: E1 CRM Entity

P65 shows visual item: E36 Visual Item

E22 Man-Made Object

CIDOC-CRM

P62 depicts: E1 CRM Entity
P65 shows visual item: E36 Visual Item

E22 Man-Made Object

CIDOC-CRM

E18 Physical Thing

P44 has condition: E3 Condition State
P45 consists of: E57 Material
P46 is composed of: E18 Physical Thing
P49 has former or current keeper: E39 Actor
P50 has current keeper: E39 Actor
P51 has former or current owner: E39 Actor
P52 has current owner: E39 Actor
P53 has former or current location: E53 Place
P128 carries: E90 Symbolic Object
P156 occupies: E53 Place

E24 Physical Man-Made Thing

P62 depicts: E1 CRM Entity
P65 shows visual item: E36 Visual Item

E22 Man-Made Object

CIDOC-CRM

P44 has condition: E3 Condition State
P45 consists of: E57 Material
P46 is composed of: E18 Physical Thing
P49 has former or current keeper: E39 Actor
P50 has current keeper: E39 Actor
P51 has former or current owner: E39 Actor
P52 has current owner: E39 Actor
P53 has former or current location: E53 Place
P128 carries: E90 Symbolic Object
P156 occupies: E53 Place
P62 depicts: E1 CRM Entity
P65 shows visual item: E36 Visual Item

E22 Man-Made Object

CIDOC-CRM

E72 Legal object

P104 is subject to: E30 Right
P105 right held by: E39 Actor

E18 Physical Thing

P44 has condition: E3 Condition State
P45 consists of: E57 Material
P46 is composed of: E18 Physical Thing
P49 has former or current keeper: E39 Actor
P50 has current keeper: E39 Actor
P51 has former or current owner: E39 Actor
P52 has current owner: E39 Actor
P53 has former or current location: E53 Place
P128 carries: E90 Symbolic Object
P156 occupies: E53 Place

E24 Physical Man-Made Thing

P62 depicts: E1 CRM Entity
P65 shows visual item: E36 Visual Item

E22 Man-Made Object

CIDOC-CRM

P104 is subject to: E30 Right
P105 right held by: E39 Actor
P44 has condition: E3 Condition State
P45 consists of: E57 Material
P46 is composed of: E18 Physical Thing
P49 has former or current keeper: E39 Actor
P50 has current keeper: E39 Actor
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P52 has current owner: E39 Actor
P53 has former or current location: E53 Place
P128 carries: E90 Symbolic Object
P156 occupies: E53 Place
P62 depicts: E1 CRM Entity
P65 shows visual item: E36 Visual Item

E22 Man-Made Object

CIDOC-CRM

E1 CRM Entity

P1 is identified by: E41 Appellation
P2 has type: E55 Type
P3 has note: E62 String
P48 has preferred identifier: E42 Identifier
P137 exemplifies: E55 Type

E77 Persistent Item

E70 Thing

P43 has dimension: E54 Dimension
P101 had as general use: E55 Type
P130 shows features of: E70 Thing

E72 Legal object

P104 is subject to: E30 Right
P105 right held by: E39 Actor

E18 Physical Thing

P44 has condition: E3 Condition State
P45 consists of: E57 Material
P46 is composed of: E18 Physical Thing
P49 has former or current keeper: E39 Actor
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E24 Physical Man-Made Thing

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CIDOC-CRM

E1 CRM Entity

P1 is identified by: E41 Appellation
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P137 exemplifies: E55 Type

E77 Persistent Item

E70 Thing

P43 has dimension: E54 Dimension
P101 had as general use: E55 Type
P130 shows features of: E70 Thing

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P104 is subject to: E30 Right
P105 right held by: E39 Actor

E18 Physical Thing

P44 has condition: E3 Condition State
P45 consists of: E57 Material
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P128 carries: E90 Symbolic Object
P156 occupies: E53 Place

E24 Physical Man-Made Thing

P62 depicts: E1 CRM Entity
P65 shows visual item: E36 Visual Item

E22 Man-Made Object

CIDOC-CRM

- Help design documentation databases
 - emphasis on the event

ARABICA

174



ARABICA

174



4. ENDLEAVES

MS ARABICA 174

1. LEFT

Yes No NK INTEGRAL SEPARATE

Full size Undersize Extended Deckles

RIGHT

Yes No NK INTEGRAL SEPARATE

No. See p. 10 →

Full size Undersize Extended Deckles

2. MATERIAL

<input checked="" type="checkbox"/> PARCHMENT	<input checked="" type="checkbox"/> MS waste
<input type="checkbox"/> POPYRUS	<input type="checkbox"/> Greek
<input type="checkbox"/> PAPER	<input checked="" type="checkbox"/> Arabic
<input type="checkbox"/> Western	<input type="checkbox"/> Syriac
<input type="checkbox"/> Eastern	<input type="checkbox"/> Hebrew
<input checked="" type="checkbox"/> NK	<input type="checkbox"/> Latin
<input type="checkbox"/> Polished	<input type="checkbox"/> Other
<input checked="" type="checkbox"/> NK	<input type="checkbox"/> Printed waste
<input type="checkbox"/> Watermark	<input type="checkbox"/> Greek
<input type="checkbox"/> 1st use	<input type="checkbox"/> Arabic
<input type="checkbox"/> Ruled	<input type="checkbox"/> Hebrew
<input type="checkbox"/> Mastara	<input type="checkbox"/> Black letter
<input type="checkbox"/> Pricked	<input type="checkbox"/> Roman/Italic
<input type="checkbox"/> NK	<input type="checkbox"/> Other
<input type="checkbox"/> Same as text	

<input checked="" type="checkbox"/> PARCHMENT	<input checked="" type="checkbox"/> MS waste
<input type="checkbox"/> POPYRUS	<input type="checkbox"/> Greek
<input type="checkbox"/> PAPER	<input checked="" type="checkbox"/> Arabic
<input type="checkbox"/> Western	<input type="checkbox"/> Syriac
<input type="checkbox"/> Eastern	<input type="checkbox"/> Hebrew
<input checked="" type="checkbox"/> NK	<input type="checkbox"/> Latin
<input type="checkbox"/> Polished	<input type="checkbox"/> Other
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<input type="checkbox"/> Mastara	<input type="checkbox"/> Black letter
<input type="checkbox"/> Pricked	<input type="checkbox"/> Roman/Italic
<input type="checkbox"/> NK	<input type="checkbox"/> Other
<input type="checkbox"/> Same as text	

3. CONDITION

Sound

Extent Severity	<input type="checkbox"/> Worn	Extent Severity	<input checked="" type="checkbox"/> Cockling
<input type="checkbox"/> <input type="checkbox"/>	<input type="checkbox"/> Ragged	<input type="checkbox"/> 100 <input type="checkbox"/> 40	<input type="checkbox"/> Pleating
<input type="checkbox"/> <input type="checkbox"/>	<input type="checkbox"/> Tears	<input type="checkbox"/> <input type="checkbox"/>	<input type="checkbox"/> Folding
<input type="checkbox"/> <input type="checkbox"/>	<input type="checkbox"/> Insect	<input checked="" type="checkbox"/> 70 <input type="checkbox"/> 30-50	<input checked="" type="checkbox"/> Stains
<input type="checkbox"/> <input type="checkbox"/>	<input type="checkbox"/> Rodent	<input type="checkbox"/> <input type="checkbox"/>	<input type="checkbox"/> Adhesive tape

RIGHT

Sound

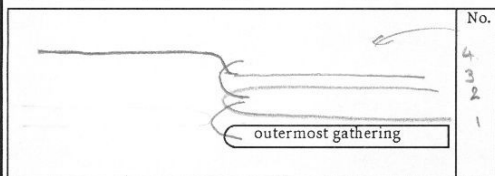
Extent Severity	<input type="checkbox"/> Worn	Extent Severity	<input checked="" type="checkbox"/> Cockling
<input type="checkbox"/> <input type="checkbox"/>	<input type="checkbox"/> Ragged	<input type="checkbox"/> 100 <input type="checkbox"/> 40	<input type="checkbox"/> Pleating
<input type="checkbox"/> <input type="checkbox"/>	<input type="checkbox"/> Tears	<input type="checkbox"/> <input type="checkbox"/>	<input type="checkbox"/> Folding
<input type="checkbox"/> <input type="checkbox"/>	<input type="checkbox"/> Insect	<input type="checkbox"/> 60 <input type="checkbox"/> 55	<input checked="" type="checkbox"/> Stains
<input type="checkbox"/> <input type="checkbox"/>	<input type="checkbox"/> Rodent	<input type="checkbox"/> <input type="checkbox"/>	<input type="checkbox"/> Adhesive tape

4. ENDLEAVES

MS ARABICA 174

1. LEFT

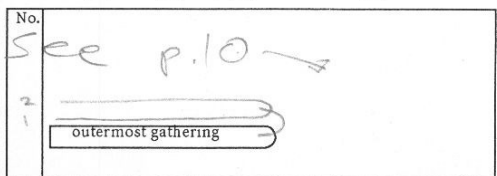
Yes No NK INTEGRAL SEPARATE



Full size Undersize Extended Deckles

RIGHT

Yes No NK INTEGRAL SEPARATE



Full size Undersize Extended Deckles

2. MATERIAL

PARCHMENT PAPYRUS PAPER

MS waste Greek Arabic Syriac Hebrew Latin Other

Western Eastern NK

Polished NK

Watermark

1st use

Ruled

Mastara

Pricked

NK

Same as text

Printed waste Greek Arabic Hebrew Black letter Roman/Italic Other

RIGHT

PARCHMENT PAPYRUS PAPER

MS waste Greek Arabic Syriac Hebrew Latin Other

Western Eastern NK

Polished NK

Watermark

1st use

Ruled

Mastara

Pricked

NK

Same as text

Printed waste Greek Arabic Hebrew Black letter Roman/Italic Other

3. CONDITION LEFT

Sound

Extent	Severity	Worn	100	40	<input checked="" type="checkbox"/> Cockling
		Ragged			<input type="checkbox"/> Pleating
		Tears			<input type="checkbox"/> Folding
		Insect	70	30-50	<input checked="" type="checkbox"/> Stains
		Rodent			<input type="checkbox"/> Adhesive tape
		Losses			<input type="checkbox"/> Other
		Detached/loose			

RIGHT

Sound

Extent	Severity	Worn	100	40	<input type="checkbox"/> Cockling
		Ragged			<input type="checkbox"/> Pleating
		Tears			<input type="checkbox"/> Folding
		Insect	60	55	<input checked="" type="checkbox"/> Stains
		Rodent			<input type="checkbox"/> Adhesive tape
		Losses			<input type="checkbox"/> Other
		Detached/loose			

4. ADDED ENDLEAVES LEFT

Paper Parchment NK

Western Eastern Burnished

Other see p.10

RIGHT

Paper Parchment NK

Western Eastern Burnished

Other

5. ADDED ENDLEAVES CONDITION LEFT

Sound

Extent	Severity	Worn	100	20	<input checked="" type="checkbox"/> Cockling
		Ragged			<input type="checkbox"/> Pleating
		Tears			<input type="checkbox"/> Folding
		Insect	100	30-80	<input checked="" type="checkbox"/> Stains
		Rodent			<input type="checkbox"/> Adhesive tape
50		Losses			<input checked="" type="checkbox"/> Other
		Detached/loose			

RIGHT

Sound

Extent	Severity	Worn			<input type="checkbox"/> Cockling
		Ragged			<input type="checkbox"/> Pleating
		Tears			<input type="checkbox"/> Folding
		Insect			<input type="checkbox"/> Stains
		Rodent			<input type="checkbox"/> Adhesive tape
		Losses			<input type="checkbox"/> Other
		Detached/loose			

10. ADDITIONAL NOTES

MS ARABICA 174

Re-examination required of:

TITLING

Head

Foreedge

Tail

MINIMAL REPAIRS

Leaves

Sewing

Boards

Endbands

Covering

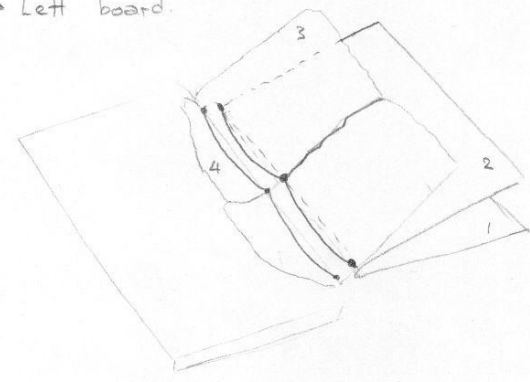
Other

Section 3

Inks stable, apart from the areas of water damage where they have immigrated.

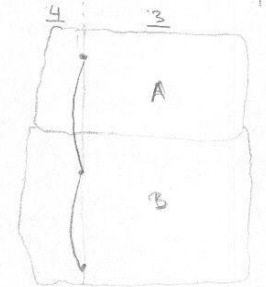
Section 4

• Left board.



1, 2 : Parchment, MS waste Arabic. Undersize. Sewn with textblock separately not with same sewing.

3, 4 : Parchment. Two pieces →



Latin text MS + music notation.
13th century English or French. (?)

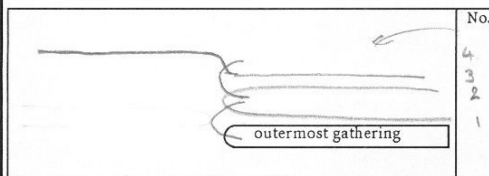
next p.10 →

4. ENDLEAVES

MS ARABICA 174

1. LEFT

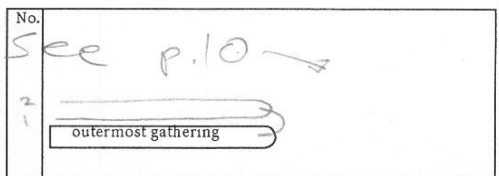
Yes No NK INTEGRAL SEPARATE



Full size Undersize Extended Deckles

RIGHT

Yes No NK INTEGRAL SEPARATE



Full size Undersize Extended Deckles

2. MATERIAL

- PARCHMENT
- POPYRUS
- PAPER
- Western
- Eastern
- NK
- Polished
- NK
- Watermark
- 1st use
- Ruled
- Mastara
- Pricked
- NK
- Same as text
- MS waste
- Greek
- Arabic
- Syriac
- Hebrew
- Latin
- Other
- Printed waste
- Greek
- Arabic
- Hebrew
- Black letter
- Roman/Italic
- Other

- PARCHMENT
- POPYRUS
- PAPER
- Western
- Eastern
- NK
- Polished
- NK
- Watermark
- 1st use
- Ruled
- Mastara
- Pricked
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- Same as text
- MS waste
- Greek
- Arabic
- Syriac
- Hebrew
- Latin
- Other
- Printed waste
- Greek
- Arabic
- Hebrew
- Black letter
- Roman/Italic
- Other

3. CONDITION LEFT

Extent	Severity	Sound	Extent	Severity	Sound
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	100	40	<input checked="" type="checkbox"/> Cockling
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/> Pleating
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/> Folding
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	70	30-50	<input checked="" type="checkbox"/> Stains
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/> Adhesive tape
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/> Other
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/> Detached/loose

RIGHT

Extent	Severity	Sound	Extent	Severity	Sound
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	100	40	<input checked="" type="checkbox"/> Cockling
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/> Pleating
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/> Folding
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	60	55	<input checked="" type="checkbox"/> Stains
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/> Adhesive tape
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/> Other
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/> Detached/loose

4. ADDED ENDLEAVES LEFT

- Paper
- Western
- Eastern
- Burnished
- Parchment
- NK
- Other: see p.10

RIGHT

- Paper
- Western
- Eastern
- Burnished
- Parchment
- No
- NK
- Other:

5. ADDED ENDLEAVES CONDITION LEFT

Extent	Severity	Sound	Extent	Severity	Sound
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	100	20	<input checked="" type="checkbox"/> Cockling
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/> Pleating
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/> Folding
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	100	30-80	<input checked="" type="checkbox"/> Stains
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/> Adhesive tape
<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/> Other
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/> Detached/loose

RIGHT

Extent	Severity	Sound	Extent	Severity	Sound
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/> Cockling
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/> Pleating
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/> Folding
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/> Stains
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/> Adhesive tape
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/> Other
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/> Detached/loose

10. ADDITIONAL NOTES

MS ARABICA 174

Re-examination required of:

TITLING

Head

Foreedge

Tail

MINIMAL REPAIRS

Leaves

Sewing

Boards

Endbands

Covering

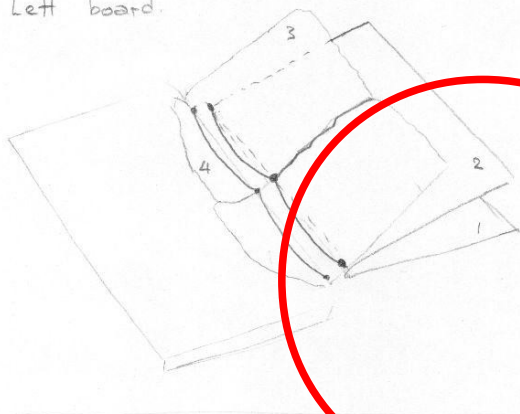
Other

Section 3

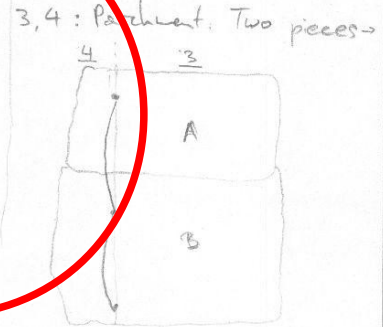
Inks stable, apart from the areas of water damage where they have immigrated.

Section 4

• Left board.



1, 2 : Parchment, MS waste Arabic. Undersize. Sewn with textblock separately not with same sewing.



Latin text MS + music notation.
13th century English or French. (?)

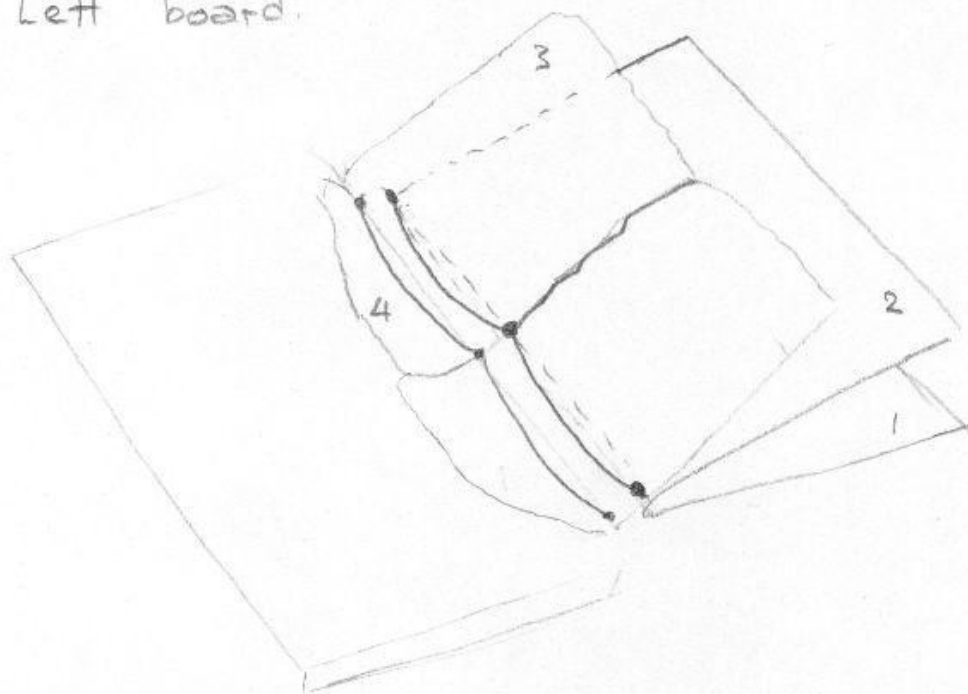
next p.10 →

Section 3.

Inks stable, apart from the areas of water damage where they have immigrated.

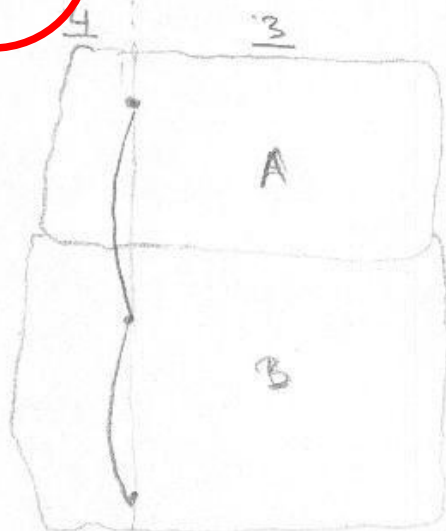
Section 4

- Left board.



1, 2 : Parchment, MS waste
Arabic. Undersize. Sewn
with textblock separately
but with same sewing.

3, 4 : Parchment. Two pieces →



Latin text MS + music notation.

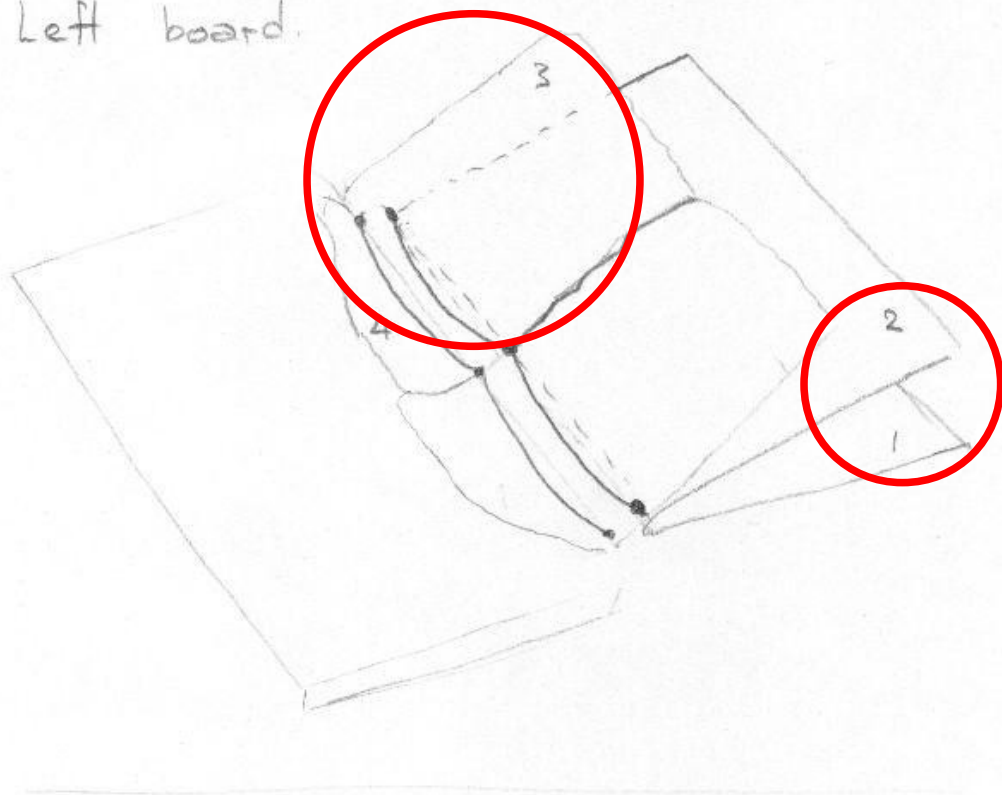
13th century English or French. (?)

Section 3.

Inks stable, apart from the areas of water damage where they have immigrated.

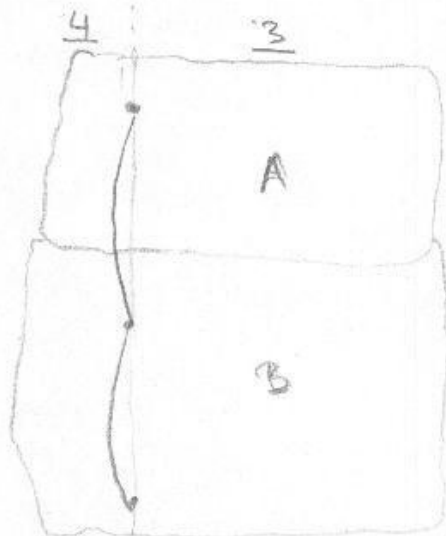
Section 4

- Left board.



1, 2 : Parchment, MS waste
Arabic. Undersize. Sewn
with textblock separately
but with same sewing.

3, 4 : Parchment. Two pieces →



Latin text MS + music notation.

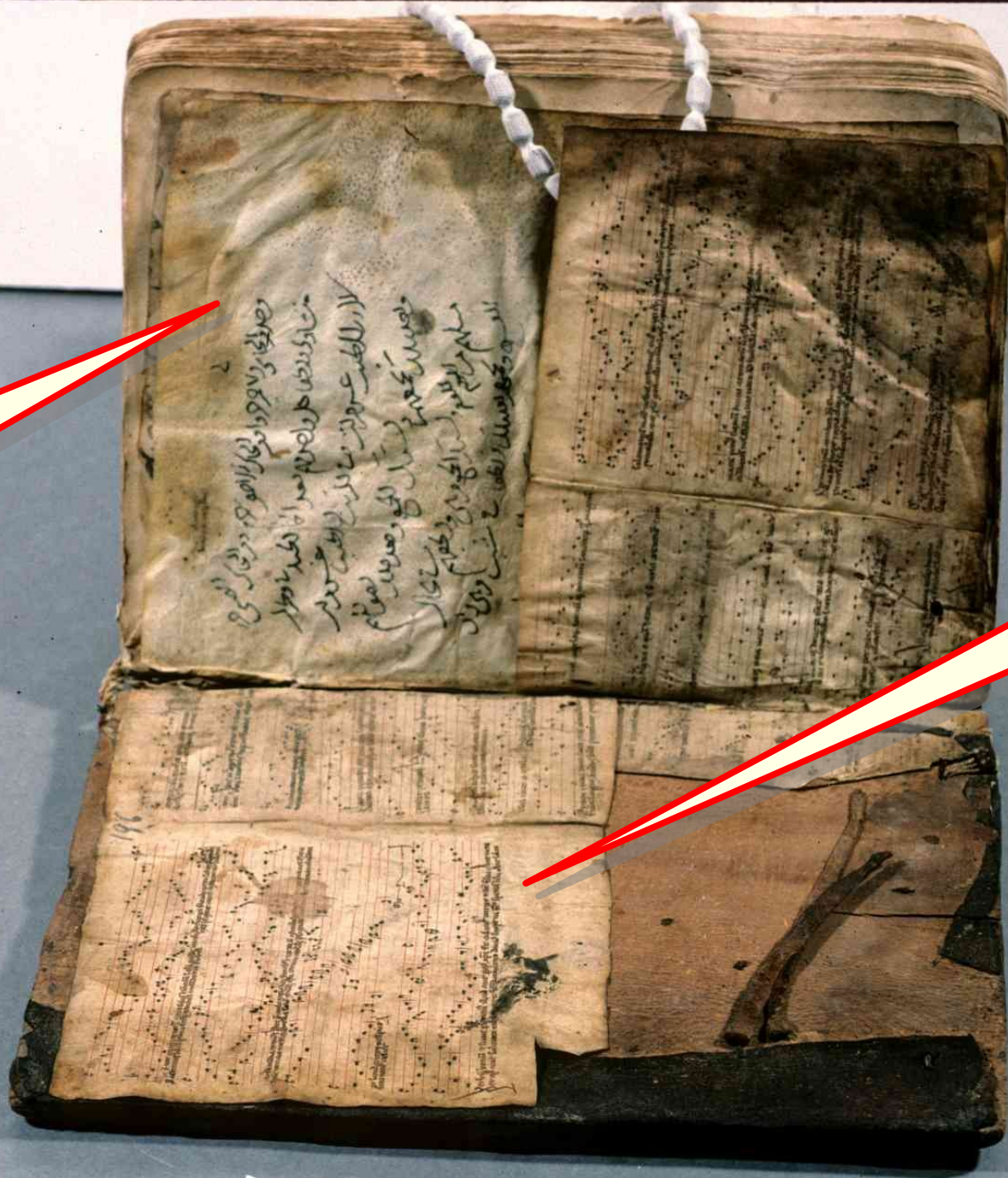
13th century English or French. (?)



ARABICA

174

Added
endleaves



Added
endleaves

ARABICA

174

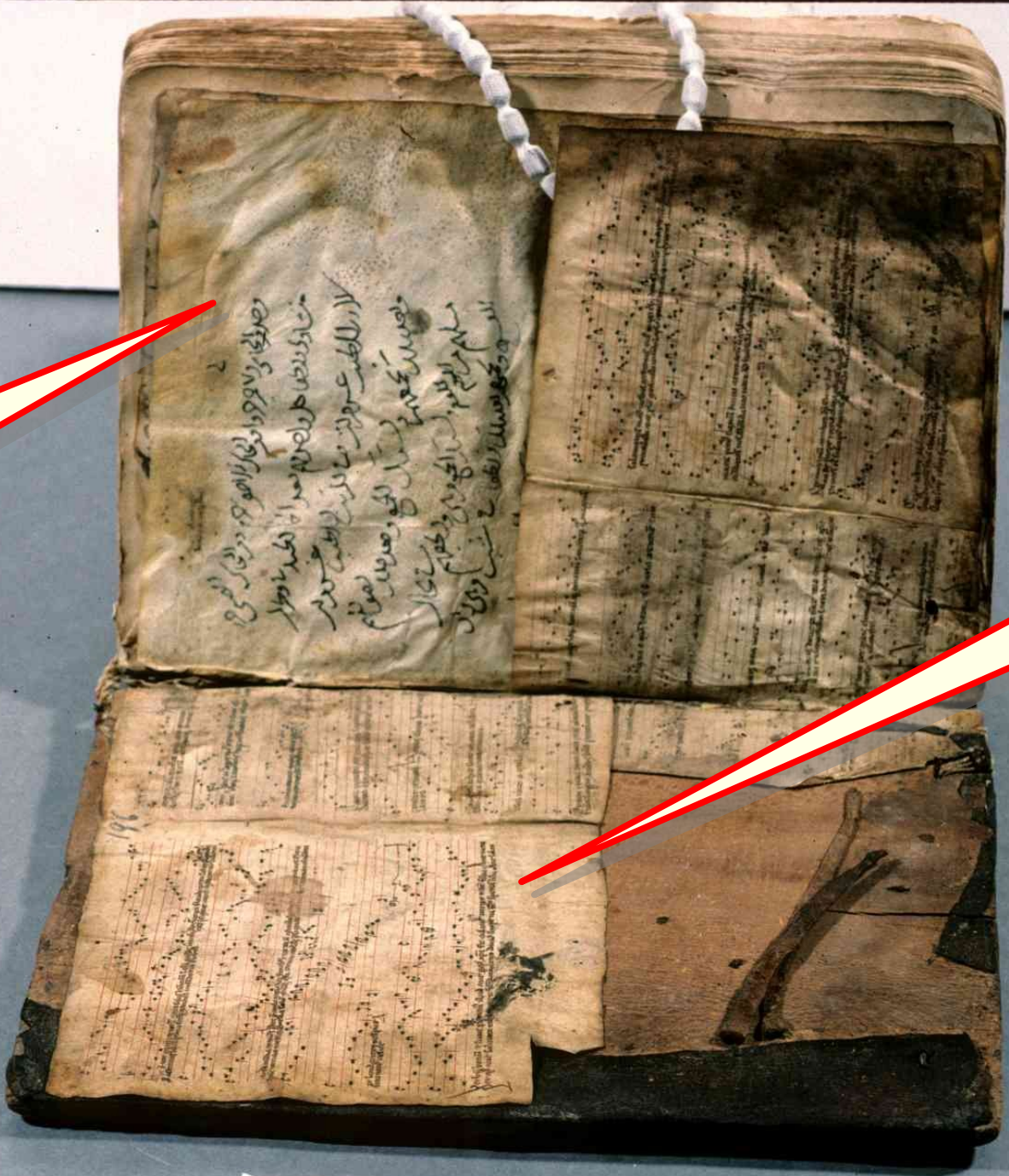
Added
endleaves

Added
endleaves

Two
separate
repairs

ARABICA

174



production

Arabic MS

added

production

Arabic MS

added

production

Latin MS

added

Arabic MS
added

production

Latin MS
added

Other events
- later centuries

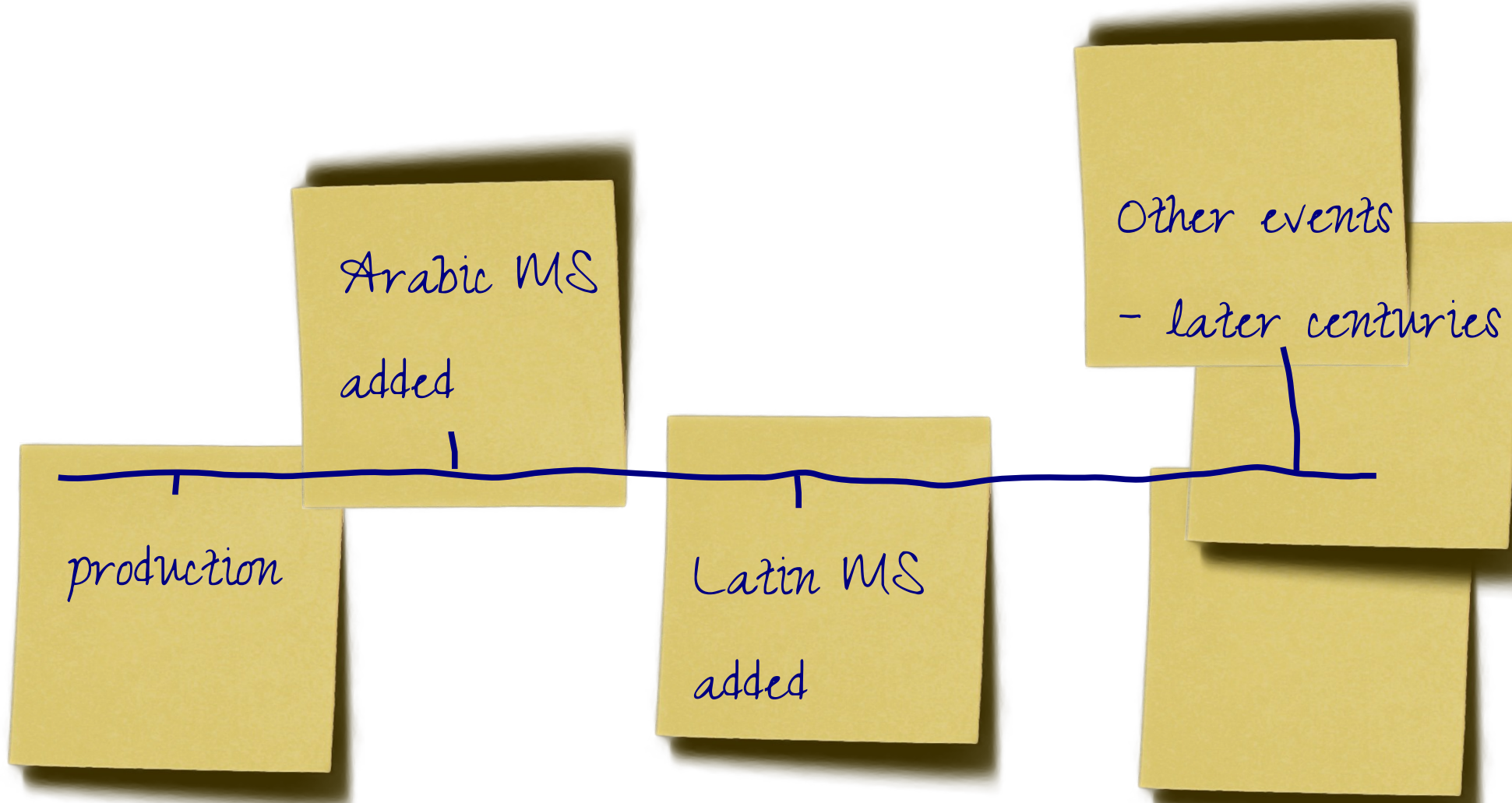
production

Arabic MS
added

Latin MS
added

Other events
- later centuries





13th C

14th C

16th C



URI
S.ARAB.174

Arabic MS
ted

production

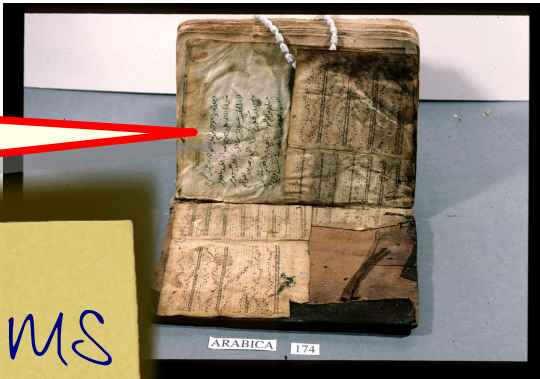
Latin MS
added

Other events
- later centuries





URI
S.ARAB.EI



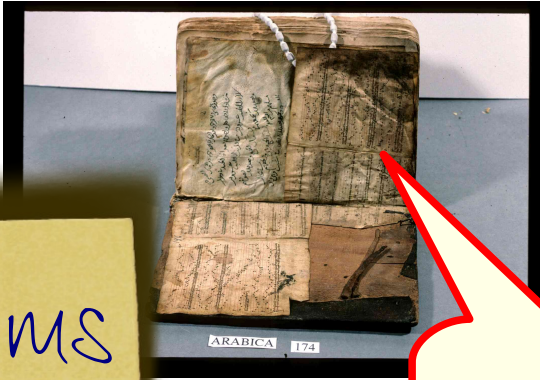
Arabic MS
added

production

Latin MS
added

Other events
- later centuries

13th C 14th C 16th C



Arabic MS
added

URI
S.ARAB.E.2

Other events
- later centuries

production

Latin MS
added

13th C

14th C

16th C

E2-Temporal Entity

E4--Period

E5---Event

E7----Activity

E11-----Modification

E12-----Production

E79-----Part Addition

E13-----Attribute Assignment

E65-----Creation

E63-----Beginning of Existence

E12-----Production

E65-----Creation

E64-----End of Existence

E77-Persistent Item

E70--Thing

E72---Legal Object

E18----Physical Thing

E24-----Physical Man-Made Thing

E90 ----Symbolic Object

E71---Man-Made Thing

E24----Physical Man-Made Thing

E28----Conceptual Object

E89-----Propositional Object

E30-----Right

E73-----Information Object

E90-----Symbolic Object

E41-----Appellation

E73-----Information Object

E55-----Type

E39--Actor

E74---Group

E52-Time-Span

E53-Place

E54-Dimension

E2-Temporal Entity

E4--Period

E5---Event

E7----Activity

E11-----Modification

E12-----Production

E79-----Part Addition

E13-----Attribute Assignment

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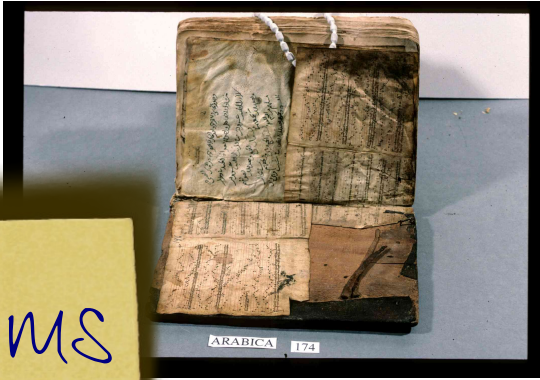
E39--Actor

E74---Group

E52-Time-Span

E53-Place

E54-Dimension



Arabic MS

S.ARAB.17A
E24: Physical
Man-Made
Thing

Latin MS
added

Other events
- later centuries





S.ARAB.E.1
 E24: Physical
 Man-Made
 Thing

S.ARAB.E.2
 E24: Physical
 Man-Made
 Thing

produ

Latin W
 added

Other events

centuries

13th C

14th C

16th C



E2-Temporal Entity

E4--Period

E5---Event

E7----Activity

E11-----Modification

E12-----Production

E79-----Part Addition

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E55-----Type

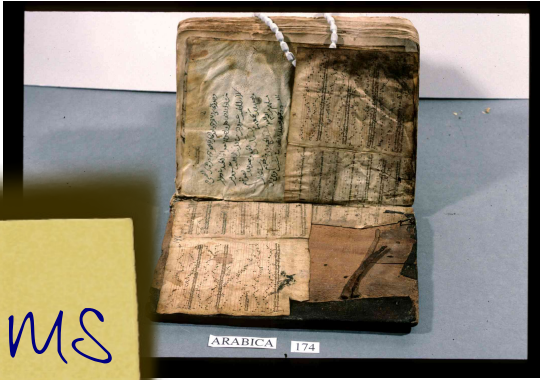
E39--Actor

E74---Group

E52-Time-Span

E53-Place

E54-Dimension



Arabic MS
added

Other events
- later centuries

production

Latin MS
added

S.ARAB.V.I
E12: Production

13th C

14th C

16th C

E2-Temporal Entity

E4--Period

E5---Event

E7----Activity

E11-----Modification

E12-----Production

E79-----Part Addition

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E30-----Right

E73-----Information Object

E90-----Symbolic Object

E41-----Appellation

E73-----Information Object

E55-----Type

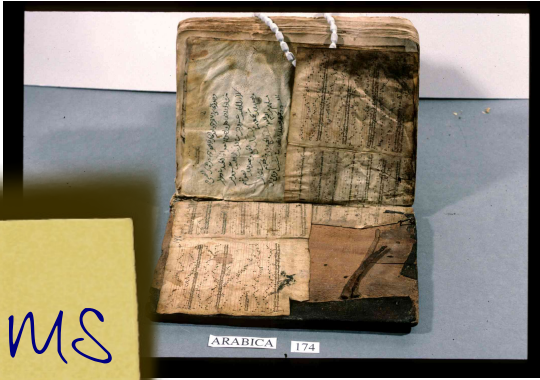
E39--Actor

E74---Group

E52-Time-Span

E53-Place

E54-Dimension



Arabic MS
added

Other events
- later centuries

production

Latin MS
added

S.ARAB.V.2
E79: Part Addition

S.ARAB.V.3
E79: Part Addition



E12 Production

- P108 has produced: E24 Physical Man-Made Thing

E2-Temporal Entity

E4--Period

E5---Event

E7----Activity

E11-----Modification

E12-----Production

E79-----Part Addition

E13-----Attribute Assignment

E65-----Creation

E63-----Beginning of Existence

E12-----Production

E65-----Creation

E64-----End of Existence

E77-Persistent Item

E70--Thing

E72---Legal Object

E18----Physical Thing

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E73-----Information Object

E90-----Symbolic Object

E41-----Appellation

E73-----Information Object

E55-----Type

E39--Actor

E74---Group

E52-Time-Span

E53-Place

E54-Dimension

E12 Production

- P108 has produced: E24 Physical Man-Made Thing
- From parents:
 - P14 carried out by: E39 Actor
 - P33 used specific technique: E29 Design or Procedure
 - P7 took place at: E53 Place
 - P4 has time-span: E52 Time-Span



PIOB: has produced

Arabic MS
added

Latin MS
added

Other events
- later centuries

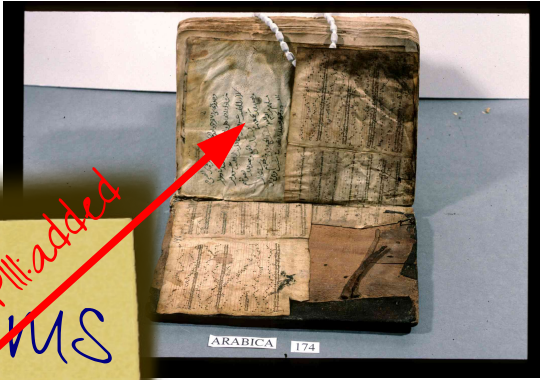
production

PA: has time
span



E79 Part Addition

- P111 added: E18 Physical Thing
- From parents:
 - P14 carried out by: E39 Actor
 - P33 used specific technique: E29 Design or Procedure
 - P7 took place at: E53 Place
 - P4 has time-span: E52 Time-Span



Arabic MS

PA: added

added

Other events

- later centuries

production

Latin MS

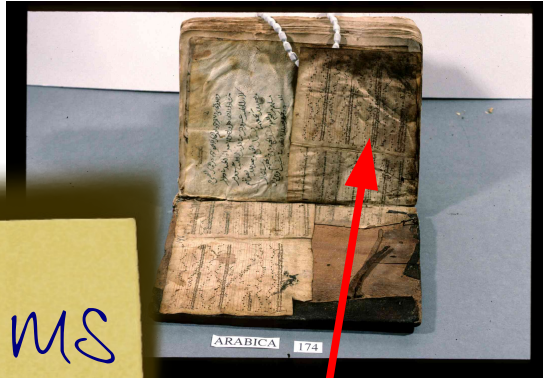
added

PA: has time span

13th C

14th C

16th C



Arabic MS
added

Latin MS
added

Other events
- later centuries

production

P111: added

P111 has time span

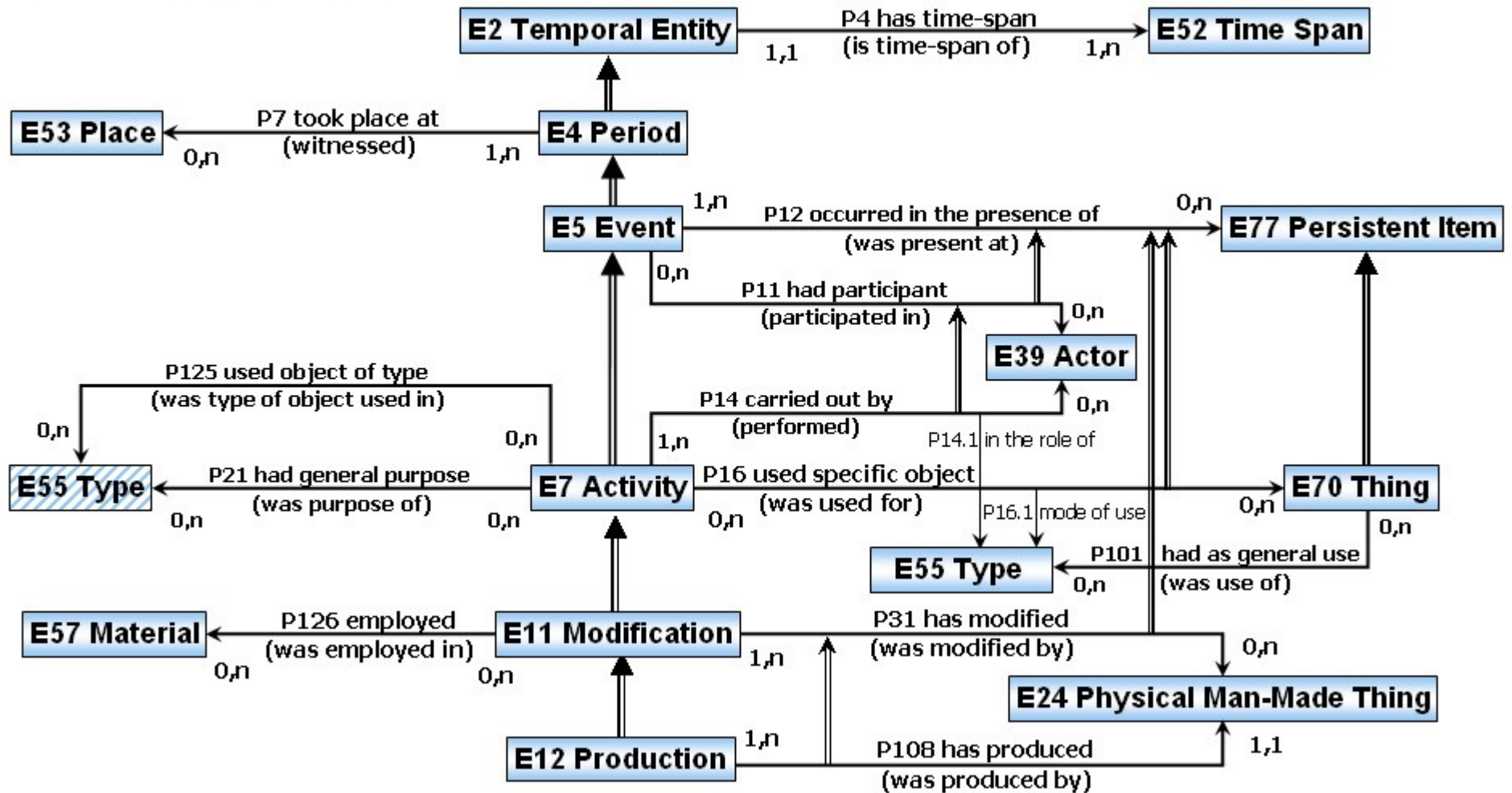
13th C 14th C 16th C



CRM-based
documentation

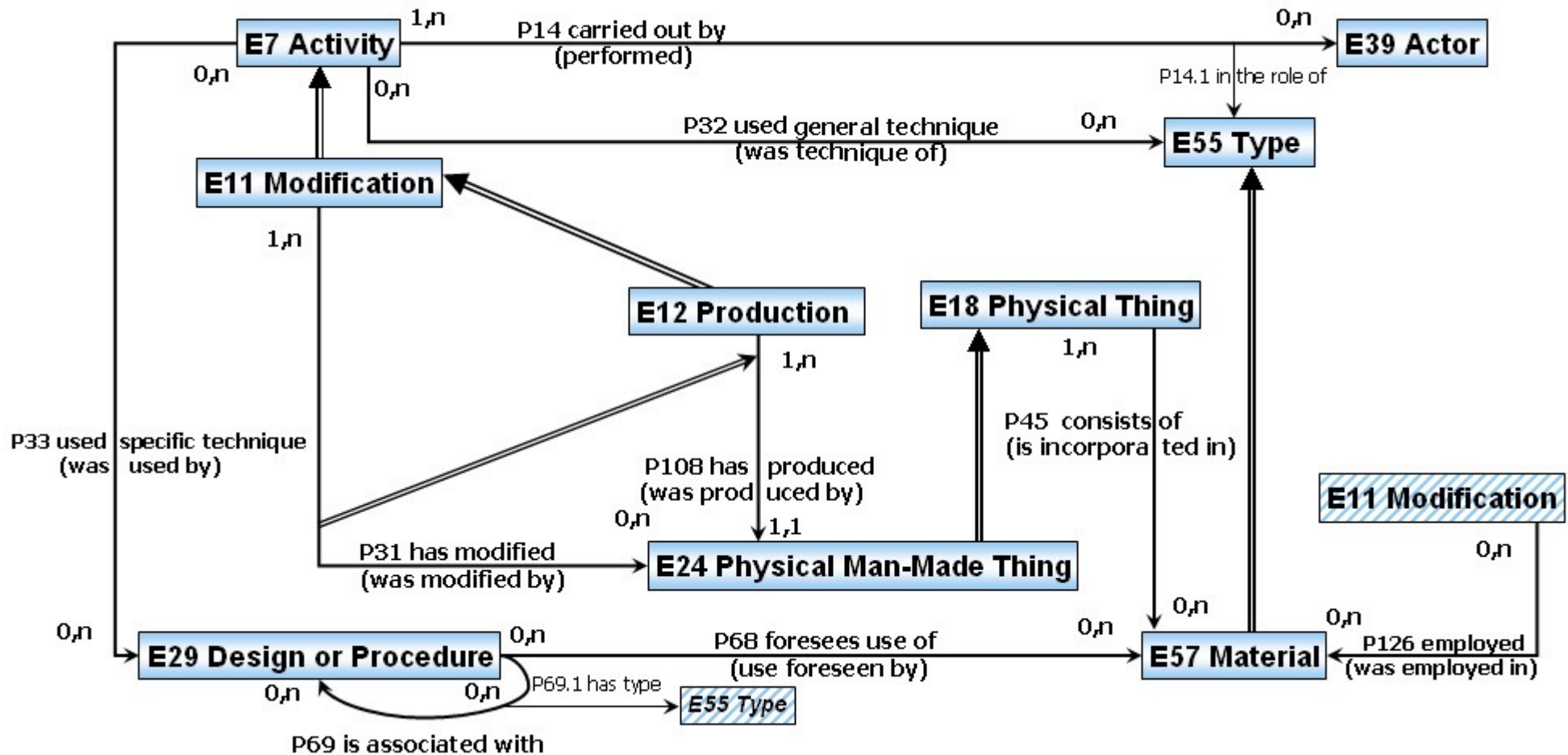
Technology

OBJECT PRODUCTION INFORMATION



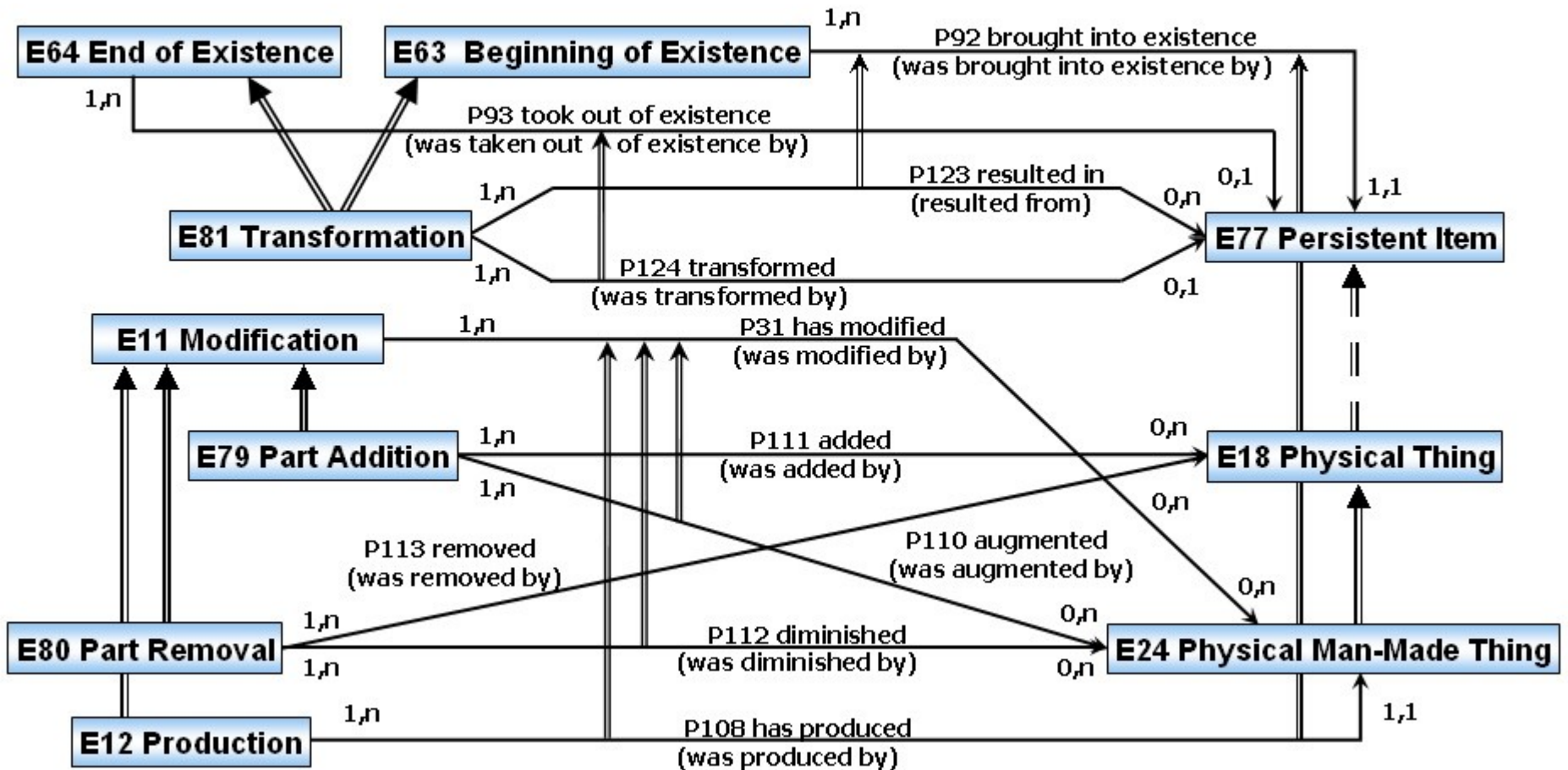
Technology

MATERIAL AND TECHNIQUE INFORMATION



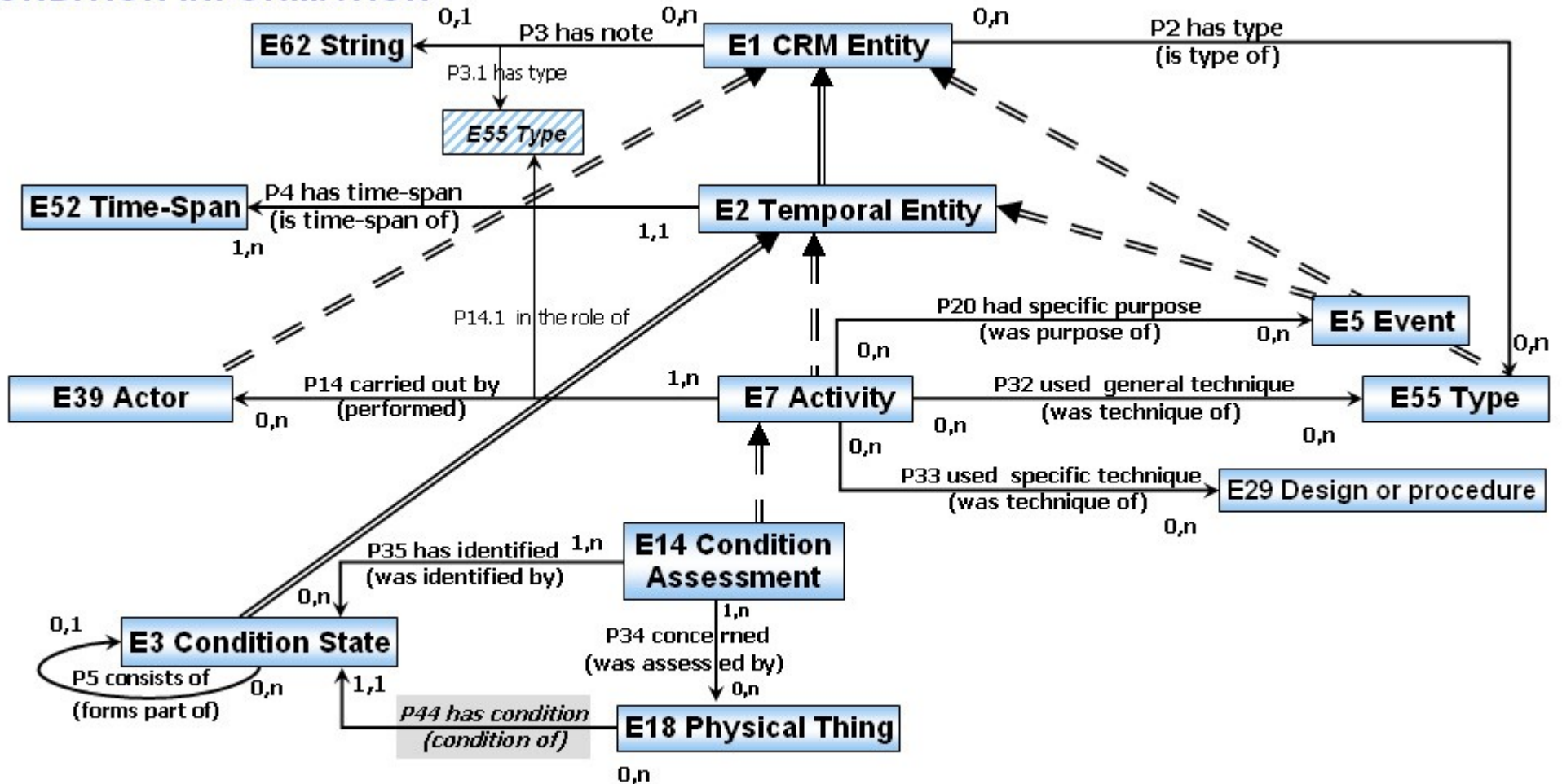
Technology

CHANGING THING



Condition(?) - Timespace volume?

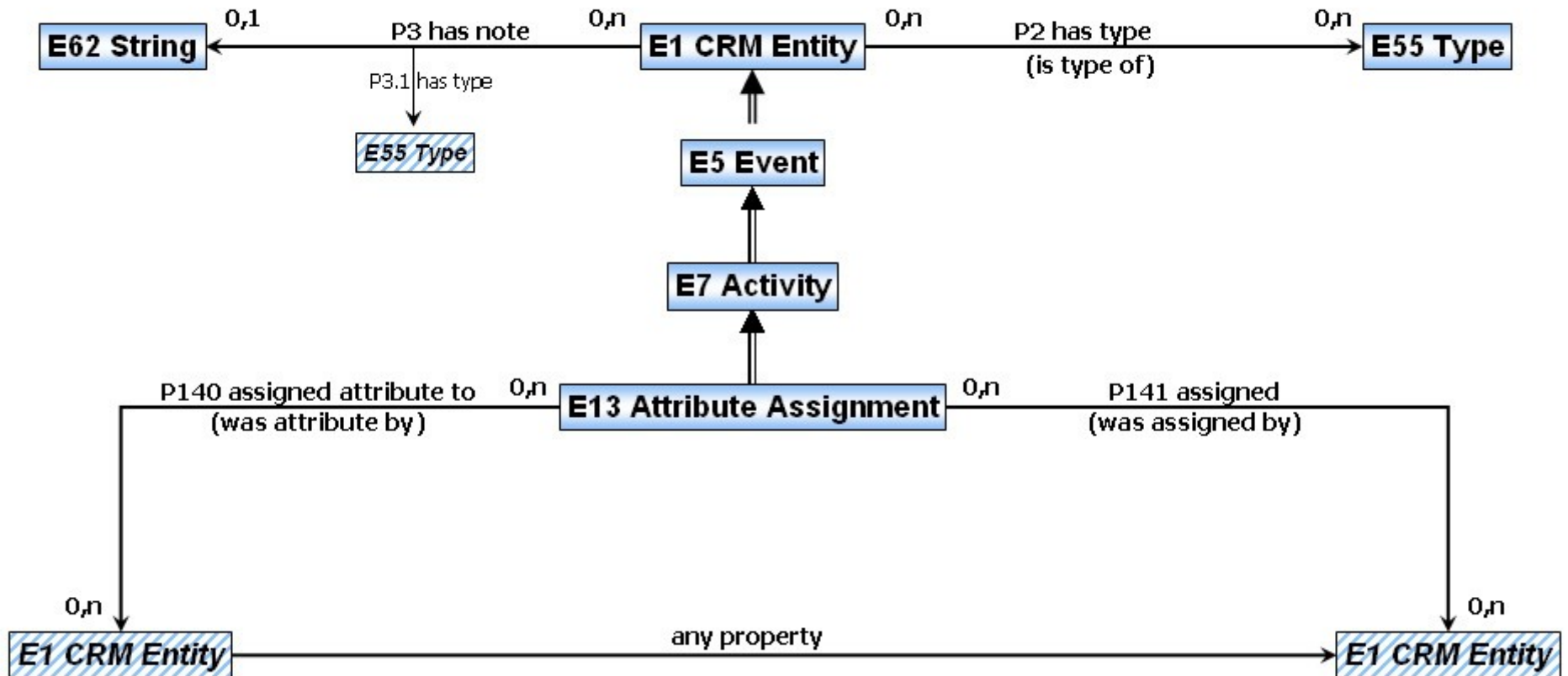
CONDITION INFORMATION



- the “Amber Room” in Tsarskoje Selo being completely reconstructed from summer 2003 until now
- the Peterhof Palace near Saint Petersburg being in ruins from 1944 – 1946

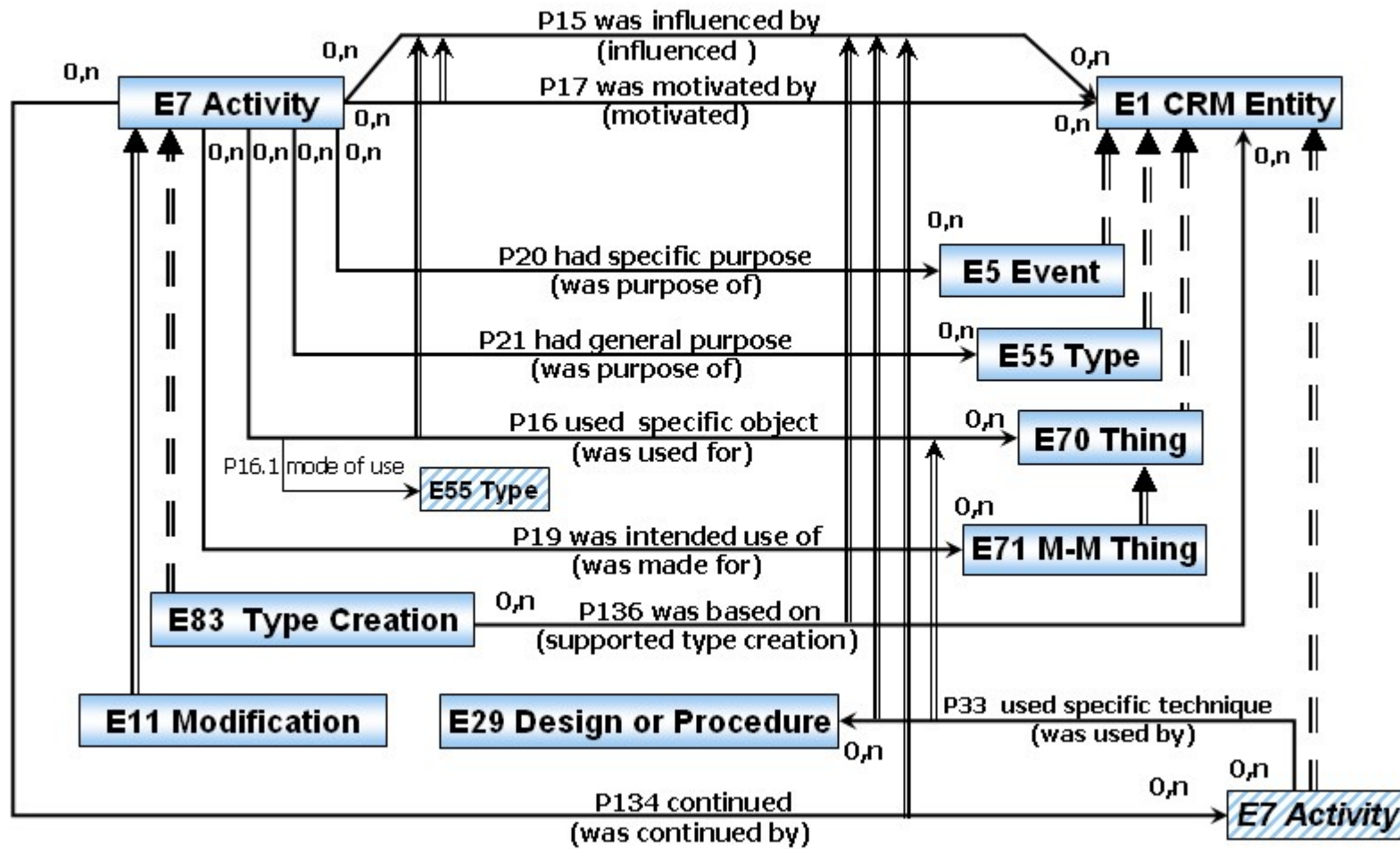
Value(?)

ATTRIBUTE ASSIGNMENT



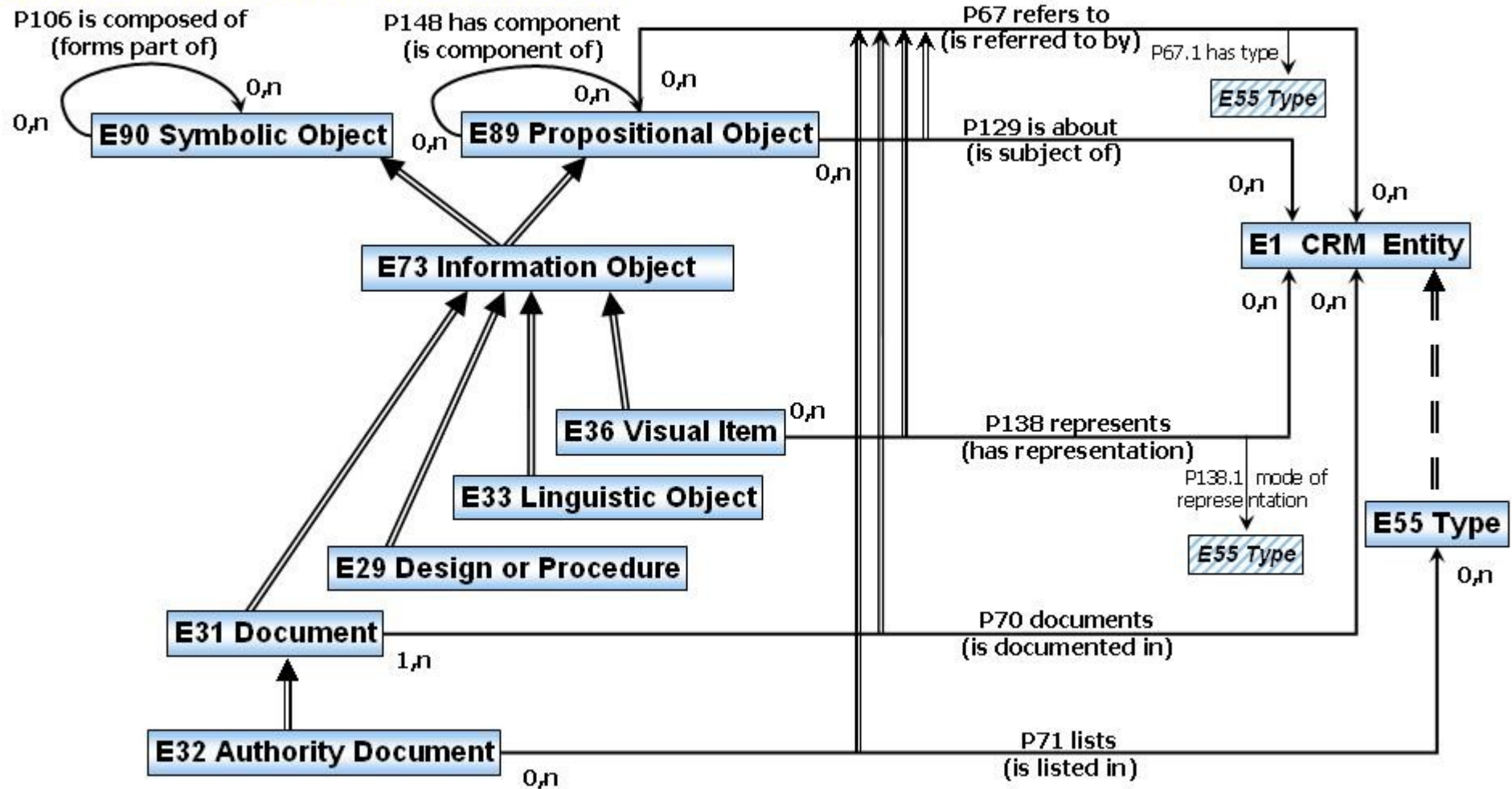
Objectives and plans for treatment (?)

PLANNED ACTIVITIES 1 (design, purpose, use)



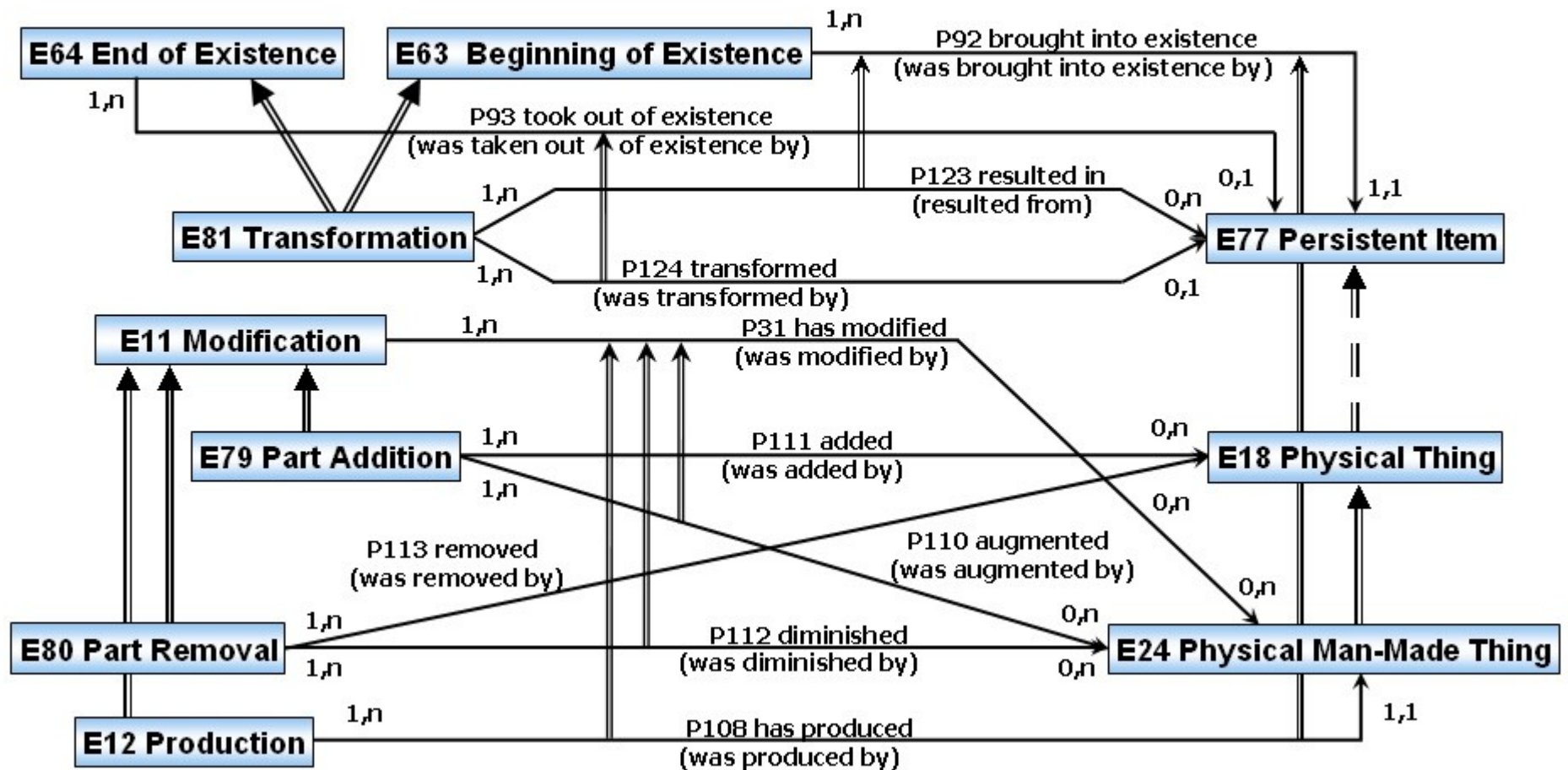
Objectives and plans for treatment (?)

DOCUMENTATION and REFERENCES



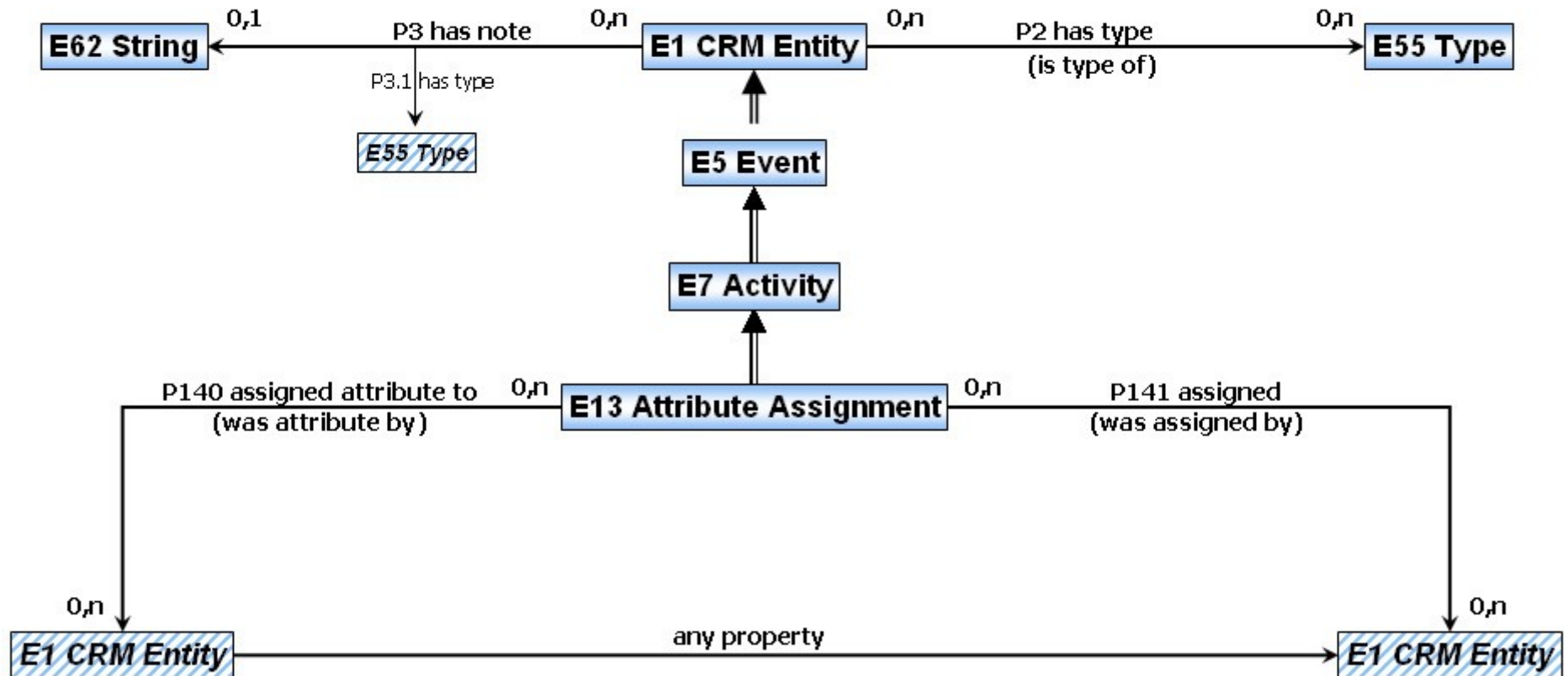
Treatment

CHANGING THING



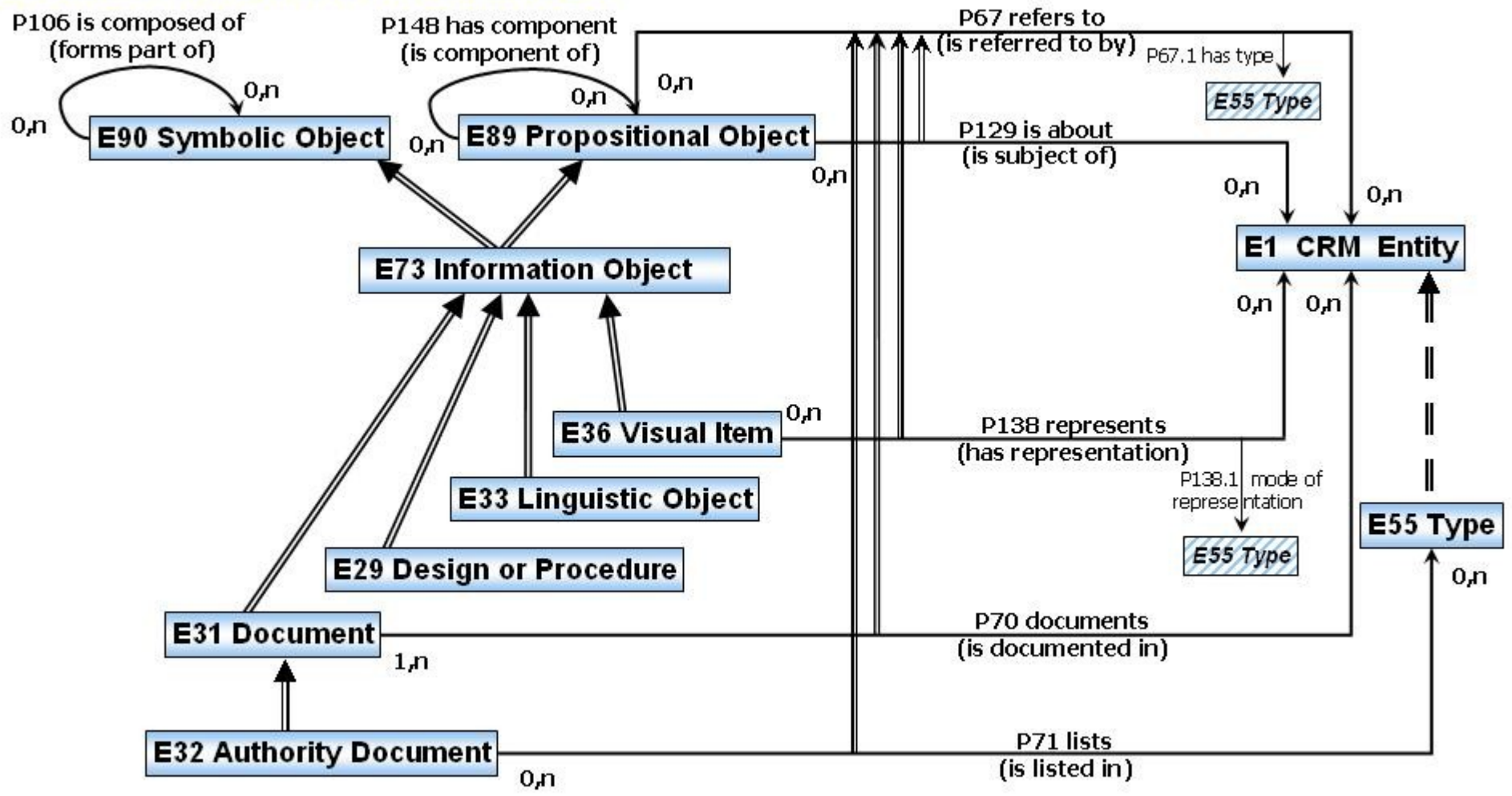
Treatment assessment (?)

ATTRIBUTE ASSIGNMENT



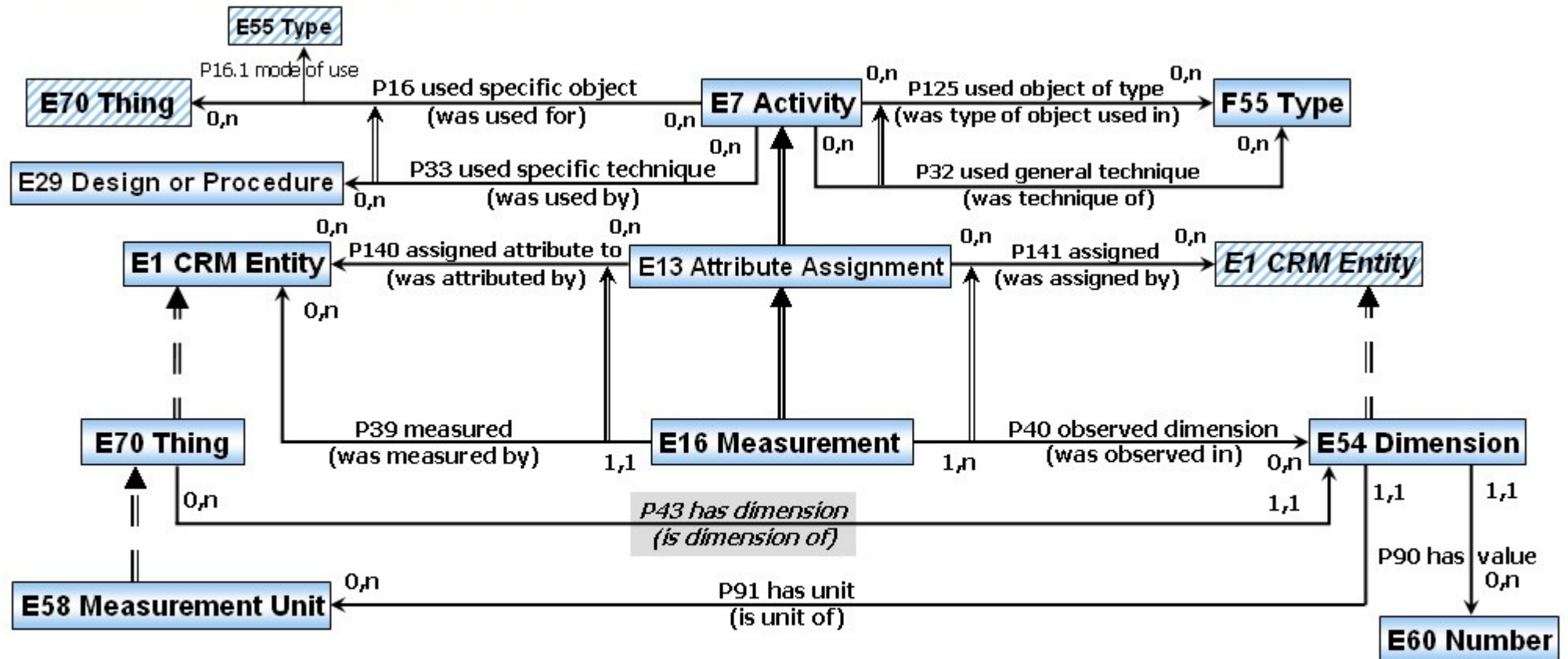
Purpose of documentation (?)

DOCUMENTATION and REFERENCES



Observations

MEASUREMENT INFORMATION



Observations (CRM_{sci})

Property id	Property Name	Entity – Domain	Entity - Range
O1	diminished (was diminished by)	S1 Matter Removal	S10 Material Substantial
O2	removed (was removed by)	S1 Matter Removal	S11 Amount of Matter
O3	sampled from (was sample by)	S2 Sample Taking	S10 Material Substantial
O4	sampled at (was sampling location of)	S2 Sample Taking	E53 Place
O5	removed (was removed by)	S2 Sample Taking	S13 Sample
O6	forms former or current part of (has former or current part)	S12 Amount of Fluid	S14 Fluid Body
O7	contains or confines (is contained or confined)	E53 Place	E53 Place
O8	observed (was observed by)	S4 Observation	S15 Observable Entity
O9	observed property type (property type was observed by)	S4 Observation	S9 Property Type
O10	assigned dimension (dimension was assigned by)	S6 Data Evaluation	E54 Dimension
O11	described (was described by)	S6 Data Evaluation	S15 Observable Entity
O12	has dimension (is dimension of)	S15 Observable Entity	E54 Dimension
O13	triggers (is triggered by)	E5 Event	E5 Event
O14	initializes (is initialized by)	E5 Event	S16 State
O15	occupied (was occupied by)	S10 Material Substantial	E53 Place
O16	observed value (value was observed by)	S4 Observation	E1 CRM Entity
O17	generated (was generated by)	S17 Physical Genesis	E18 Physical Thing
O18	altered (was altered by)	S18 Alteration	E18 Physical Thing
O19	has found object (was object found by)	S19 Encounter Event	E18 Physical Thing
O20	sampled from type of part (type of part was sampled by)	S2 Sample Taking	E55 Type
O21	has found at (witnessed)	S19 Encounter Event	E53 Place
O22	partly or completely contains (is part of)	S22 Segment of Matter	S20 Physical Feature
O23	is defined by (defines)	S22 Segment of Matter	E92 Spacetime Volume
O24	measured (was measured by)	S21 Measurement	S15 Observable Entity

Observations

- Positive negative
 - categorical, i.e. E55 Type
 - negative properties
- Uncertainty (?)

Research info + Justification

- Deductions from:
 - Expert advice
 - Bibliographical research

Deduction

- All 14th century Greek MSs endbands are woven on internal core.
 - expert advice
- This is a 14th century Greek MS.
 - observation of evidence / expert advice

- Therefore:
 - This MS's endband is woven on an internal core.

Induction (open world)

- I have observed 3000 Greek MS endbands (I have a good sample).
 - From the 14th century onwards they are woven on internal core.
-

- Therefore:
 - All 14th century endbands or later are woven on a core (I have strong evidence but cannot be sure).

Deduction

- Maintaining original components of endbands is ethical.
 - bibliographical research
 - This component is original to the endband.
 - observation
-
- Therefore:
 - This component needs to be kept during conservation.

Research info + Justification: CRM_{inf}

Property id	Property name	Entity - Domain	Entity - Range
J1	used as premise (was premise for)	I5 Inference Making	I2 Belief
J2	concluded that (was concluded by)	I1 Argumentation	I2 Belief
J3	applies (was applied by)	I5 Inference Making	I3 Inference Logic
J4	that (is subject of)	I2 Belief	I4 Proposition Set
J5	holds to be (is held by)	I2 Belief	I6 Belief Value
J6	adopted (adopted by)	I7 Belief Adoption	I2 Belief

Research info + Justification: CRM_{inf}

E5 Event

inherited

P4 has time-span: E52 Time-Span
P7 took place at: E53 Place
P8 took place on or within: E18 Physical Thing
P9 consists of: E4 Period
P11 had participant: E39 Actor
P12 occurred in the presence of: E77 Persistent Item

I1 Argumentation

J2 concluded that: I2 Belief

S4 Observation

O8 observed: S15 Observable Entity
O9 observed property type: S9 Property Type
O16 observed value: E1 CRM Entity

I5 Inference making

J1 used as premise: I2 Belief
J3 applies: I3 Inference Logic

S6 Data Evaluation

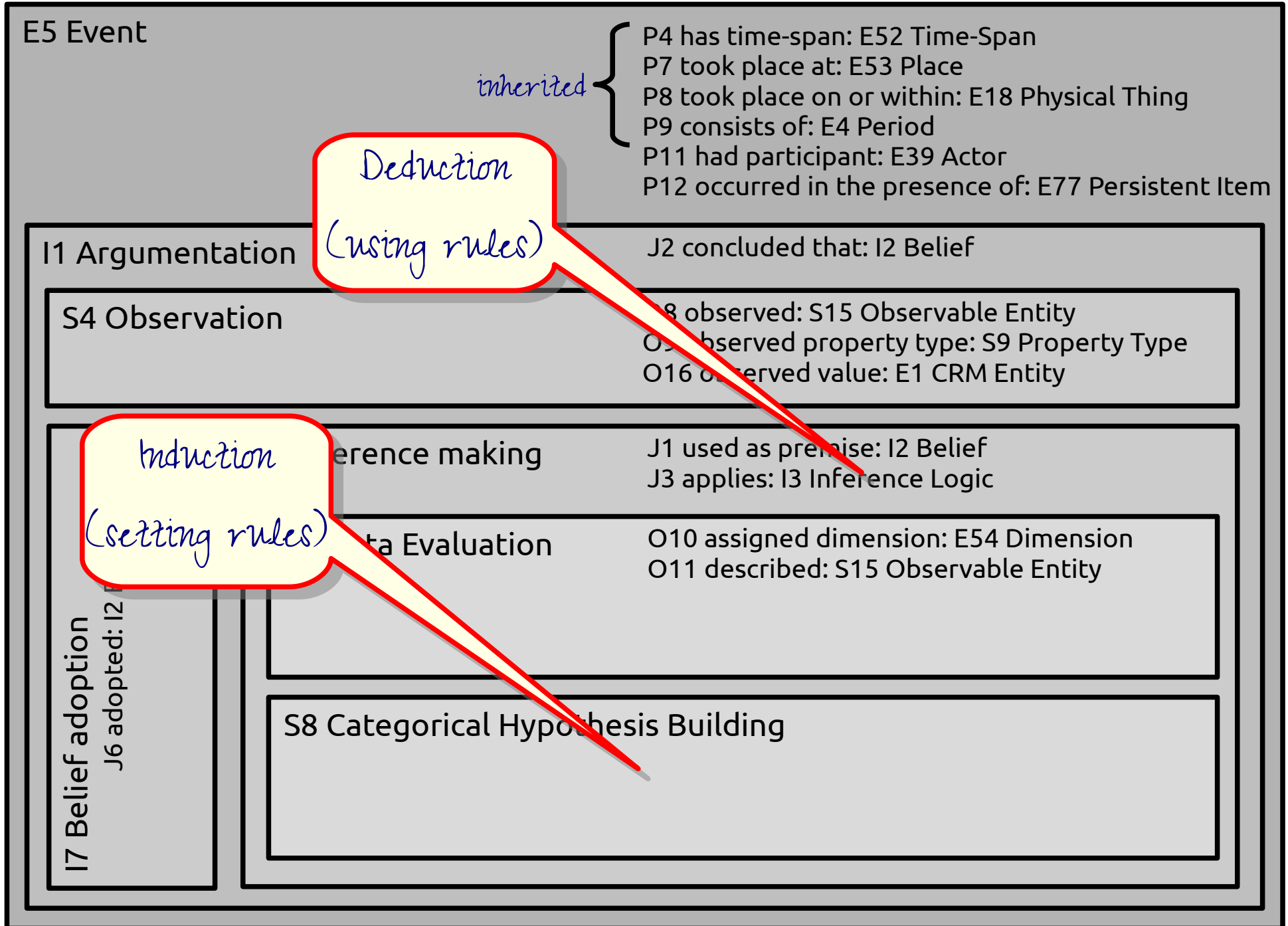
O10 assigned dimension: E54 Dimension
O11 described: S15 Observable Entity

S8 Categorical Hypothesis Building

I7 Belief adoption

J6 adopted: I2 Belief

Research info + Justification: CRM_{inf}



CIDOC-CRM

- ISO standard etc.
- CRM extensions



ISO 21127:2014

Information and documentation -- A reference ontology for the interchange of cultural heritage information

Abstract

[Preview ISO 21127:2014](#)

ISO 21127:2014 establishes guidelines for the exchange of information between cultural heritage institutions. In simple terms, this can be defined as the information managed by museums, libraries, and archives.

The intended scope of this ISO 21127:2014 is defined as the exchange and integration of heterogeneous scientific documentation relating to museum collections. This definition requires further elaboration.

[General information](#)[Revisions](#)[Corrigenda / Amendments](#)

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LANGUAGE

English English CHF **198** [Add to basket](#)

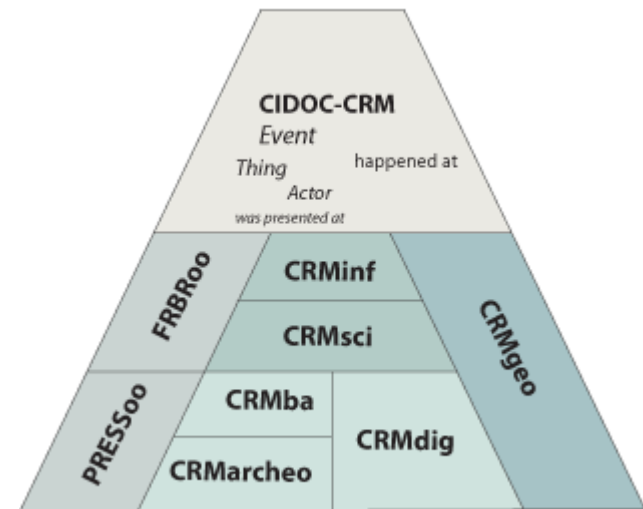
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CRM extensions

- **CRM_{dig}**: a model for provenance metadata
- **CRM_{geo}**: a Spatiotemporal model
- **CRM_{sci}**: a Scientific Observation model
- **CRM_{archaeo}**: an Excavation model
- **CRM_{inf}**: an Argumentation model
- **MarineTLO**: a top-level ontology for the Marine Domain



CRM and RDF

- RDF triples
- Enlargen
- 3M, Karma
- CMSs (e.g. Drupal)

Summary of issues

- Value
- Planned work
- Success assessment
- Purpose of documentation
- Justification of work